3601

3601

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RAMPARTS

1931 - 40

78703

72

Section **A** for the entry of

AIR MINISTR

FOR OFFICIAL USE.

ORGANIZATION.

FORM 1 [illegible]6.

REGIS

Kept at Berwick -

in the County of North

Diameter of Funnel of Gauge

Height of top of Gauge above Groun

,, Ground ,, Sea l

THE MORNING MEASU

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1									·24				1
2													2
3													3
4													4
5													5
6		·14											6
7													7
8													8
9													9
10													10
11							·63						11
12													12
13			·26										13
14						1·07							14
15													15
16													16
17													17
18											·57		18
19								·45					19
20													20
21													21
22													22
23										·60			23
24													24
25				·29									25
26													26
27													27
28	·44												28
29													29
30		×											30
31		×		×	·92	×			×		×		31
TOTAL	2·03	0·82	0·69	1·67	2·87	3·66	3·17	1·15	0·91	1·33	2·80	0·71	YEAR'S TOTAL 21·81
*Days with ·01 in. or more.	13	11	12	12	12	15	19	9	12	12	16	11	~~154~~
*Days with ·04 in. or more.	11	9	5	11	10	11	16	8	6	8	12	5	112
40-9999	51.6	20·8	17·5	42·3	73·0	92·9	80.5	29·1	23·1	33·7	71·1	18·1	55·37

*See Instruction 2 (*f*) on other side.

(Signed) Borough Surveyor

[P.T.O.

3601

72

Section **A** for the entry of [redacted] FOR OFFICIAL USE.
AIR MINISTR ORGANIZATION.

FORM [illegible]90.

REGIS

Kept at Berwick-on-Tweed

in the County of Northumberland

Diameter of Funnel of Gauge .... in.
Height of top of Gauge above Ground .... ft 5 in.
,, Ground ,, Sea Level 76 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1									·24				1
2													2
3													3
4													4
5													5
6		·14											6
7													7
8													8
9													9
10													10
11							·63						11
12													12
13			·26										13
14						1·07							14
15													15
16													16
17													17
18											·57		18
19								·45					19
20													20
21													21
22													22
23										·60			23
24													24
25													25
26													26
27													27
28	·44												28
29													29
30		X											30
31		X		X	·92	X			X		X		31
													YEAR'S TOTAL
TOTAL	2·03	0·82	0·69	1·67	2·87	3·66	3·17	1·15	0·91	1·33	2·80	0·71	21·81
*Days with ·01 in. or more.	13	11	12	12	12	15	19	9	12	12	16	11	154
*Days with ·04 in. or more.	11	9	5	11	10	11	16	8	6	8	12	5	112
40-9999	51.6	20·8	17·5	42·3	73·0	92·9	80.5	29·1	23·1	33·7	71·1	18·1	55·37

(Signed) Borough Surveyor [P.T.O.

*See Instruction 2 (*f*) on other side.

Section **A** for the entry of daily observations

Station No. 3601

METEOROLOGICAL OFFICE

REGISTER OF RAINFALL IN 1931

Metform 1091
(Revised January, 1967)

Kept at Berwick upon Tweed.
in the County of
Diameter of funnel of gauge .... in.
Height of top of gauge above ground .... ft. .... in.
Height of ground above sea level .... ft.

Jan. 1, following

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph. **Please read the Notes and Instructions Overleaf**

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	*Date*
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.		
1	–	–	1·9	–	–	1·9	2·0	–	6·0	1·4	–	–		1
2	–	0·5	1·2	6·5	–	5·1	–	–	3·3	–	–	1·4		2
3	9·4	–	0·9	–	–	0·4	4·5	–	–	–	9·5	1·4		3
4	–	2·1	–	–	–	–	–	–	3·8	–	–	0·4		4
5	–	–	–	–	6·8	4·0	1·0	1·0	–	1·5	0·3	0·8		5
6	–	3·5	0·5	–	–	19·0	1·7	1·2	1·3	2·7	–	–		6
7	–	–	0·4	–	6·3	0·3	–	–	–	–	4·2	–		7
8	0·7	–	0·3	–	–	4·0	15·7	–	4·5	0·2	1·4	–		8
9	–	2·9	0·4	–	2·7	4·1	5·7	1·5	–	0·4	6·4	4·2		9
10	–	–	2·6	–	–	8·3	1·3	–	–	–	1·0	–		10
11	–	1·8	–	–	–	–	15·9	–	–	0·2	0·4	–		11
12	1·2	–	–	–	–	–	3·0	0·5	–	–	–	–		12
13	–	–	6·5	–	0·4	6·3	–	–	–	–	–	–		13
14	1·5	2·2	–	–	0·5	27·1	–	2·1	–	–	3·6	0·5		14
15	–	–	–	3·2	–	0·9	–	–	0·2	–	–	0·3		15
16	2·5	2·0	–	1·4	1·6	–	0·3	–	0·9	–	–	–		16
17	–	2·9	–	5·2	–	6·3	6·0	5·1	–	0·5	3·0	–		17
18	7·7	–	–	–	–	4·3	5·0	–	1·3	–	14·6	0·2		18
19	0·4	–	–	–	–	–	1·2	11·5	–	1·2	–	–		19
20	–	0·7	–	–	–	–	–	4·1	0·2	–	0·4	–		20
21	2·0	–	–	0·4	–	–	1·4	2·1	–	–	–	–		21
22	–	1·0	–	6·3	1·3	–	–	–	0·8	–	–	–		22
23	2·5	–	–	1·7	3·1	0·9	–	–	0·5	15·2	7·8	–		23
24	–	1·2	–	1·6	10·5	–	0·6	–	–	1·6	1·3	–		24
25	–	–	–	7·3	–	–	2·7	–	–	–	0·4	–		25
26	–	–	–	1·8	–	–	11·0	–	–	–	13·3	–		26
27	2·1	–	0·8	5·3	–	–	–	–	–	5·6	3·4	–		27
28	11·3	–	–	1·6	13·1	–	0·5	–	–	–	–	0·5		28
29	7·0	X	1·3	–	–	–	1·0	–	0·3	3·2	0·1	6·9		29
30	–	X	0·7	–	3·4	–	–	–	–	–	–	–		30
31	3·3	X	–	X	23·3	X	–	–	X	–	X	1·5		31
TOTAL	51·6	20·8	17·5	42·3	73·0	92·9	80·5	29·1	23·1	33·7	7·11	18·1	553·7	
*Days with 0.2 mm. or more														
*Days with 1.0 mm. or more														
OFFICE USE ONLY														

*See Instruction 3(*g*) on other side. †Spare column, no entries required, except years' total.

(*Signed*) .... (P.T.O.)

3601

Section | **A** | for the entry of Daily Observations. FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM

REGISTER OF RAINFALL IN 1932.

72

Kept at Berwick-on-Tweed

in the County of Northumberland

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground..........ft 5 in.

,, Ground ,, Sea Level 76 ft.

M.M.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1				·21									1
2												·17	2
3													3
4													4
5													5
6													6
7													7
8													8
9		·21											9
10													10
11													11
12													12
13													13
14													14
15													15
16	·29												16
17													17
18													18
19													19
20			·63					·34					20
21										·67			21
22											0.10		22
23													23
24													24
25													25
26													26
27						1.06							27
28					·27		·39						28
29													29
30		×							1.13				30
31		×		×		×			×		×		31
TOTAL	1.00	0.49	3.01	1.19	1.76	1.55	2.19	·84	3.27	4.37	0.63	0.93	YEAR'S TOTAL 21.23
*Days with ·01 in. or more.	11	9	12	15	21	6	14	9	17	27	16	16	173
*Days with ·04 in. or more.	7	4	10	8	12	4	11	5	13	19	7	8	108
40-9999	25.5	12.5	76.4	30.3	44.6	39.3	55.5	21.4	83.1	111.1	16.0	23.6	

(Signed).. P.T.O.

*See Instruction 2 (*f*) on other side.

Section **A** for the entry of daily observations

Station No. 3601

METEOROLOGICAL OFFICE

Metform 1091
(Revised January, 1967)

REGISTER OF RAINFALL IN 1932

Kept at Berwick upon Tweed.

in the County of

Diameter of funnel of gauge in.

Height of top of gauge above ground ft. in.

Height of ground above sea level ft.

Jan. 1, following

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph. **Please read the Notes and Instructions Overleaf**

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	†	
1	2.2	–	–	5.3	–	–	–	–	0.6	0.5	1.9	0.5		1
2	5.9	–	–	0.4	1.9	–	–	–	1.2	4.8	0.5	4.3		2
3	1.0	–	–	–	–	–	0.3	–	1.9	1.5	0.2	0.1		3
4	–	0.2	–	–	1.5	0.2	5.5	1.4	0.2	–	–	–		4
5	–	–	0.3	–	0.2	–	–	–	8.1	–	–	2.5		5
6	0.5	–	–	–	0.2	–	–	–	–	0.2	–	0.5		6
7	–	–	5.3	–	0.6	–	–	–	9.6	0.5	–	–		7
8	–	0.5	2.1	4.4	1.9	–	–	–	7.2	10.7	2.2	0.4		8
9	4.1	5.4	–	5.2	1.6	–	–	–	1.2	3.5	0.7	1.7		9
10	0.2	0.6	1.6	0.6	0.2	–	2.7	–	3.4	2.8	–	2.9		10
11	–	0.5	–	1.2	4.3	1.2	6.5	0.2	–	–	–	–		11
12	0.2	–	–	–	5.4	–	3.0	–	–	2.1	0.3	–		12
13	1.8	1.8	–	–	4.1	–	–	2.0	2.0	3.5	–	2.8		13
14	0.2	–	–	1.7	–	–	–	–	–	1.3	–	–		14
15	2.1	–	–	0.3	4.4	–	0.3	–	–	2.0	1.9	0.7		15
16	7.3	–	–	–	–	–	–	–	–	0.9	0.7	2.4		16
17	–	–	–	–	0.4	–	–	–	–	13.3	1.4	1.4		17
18	–	–	–	–	0.8	–	–	–	–	0.3	–	0.7		18
19	–	–	–	0.6	1.6	–	–	–	2.5	3.5	–	–		19
20	–	–	16.1	0.8	–	–	–	8.7	0.6	0.4	–	1.7		20
21	–	–	9.4	–	0.9	–	0.9	0.4	–	17.0	0.2	–		21
22	–	–	12.6	2.3	–	–	1.0	–	–	0.5	2.5	–		22
23	–	1.6	–	0.8	–	–	2.0	–	0.9	1.4	–	–		23
24	–	1.5	0.9	–	0.3	–	8.0	–	1.4	–	–	–		24
25	–	0.4	–	–	2.9	–	–	–	3.9	1.1	0.6	–		25
26	–	–	–	–	3.7	–	–	0.3	9.8	7.1	1.3	–		26
27	–	–	10.3	0.9	0.8	27.0	2.0	–	–	11.8	0.3	0.4		27
28	–	–	2.8	4.5	6.9	0.9	9.9	–	–	13.5	–	–		28
29	–	–	11.1	1.3	–	6.1	4.0	6.5	–	2.4	1.1	0.3		29
30	–	X	3.9	–	–	3.9	–	0.5	28.6	4.1	0.2	–		30
31	–	X	–	X	–	X	9.4	1.4	X	0.4	X	0.3		31
TOTAL	25.5	12.5	76.4	30.3	44.6	39.3	55.5	21.4	83.1	111.1	16.0	23.6	539.3	
*Days with 0.2 mm. or more														
*Days with 1.0 mm. or more														
OFFICE USE ONLY														

*See Instruction 3(*g*) on other side. †Spare column, no entries required, except years' total.

(*Signed*)

(P.T.O.)

Section **A** **for the entry of Daily Observations.** **COPY FOR OFFICIAL USE.** 3601

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Kept Berwick-on-Tweed

in the County of Northumberland

Diameter of Funnel of Gauge.................in.

Height of top of Gauge above Ground .... ft. 5 in.

,, Ground ,, Sea Level 76 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1													1
2											·38		2
3			·31										3
4													4
5													5
6													6
7										·76			7
8													8
9												·19	9
10						·29							10
11													11
12													12
13													13
14													14
15													15
16													16
17	0·40												17
18													18
19													19
20					·38				0·74				20
21													21
22													22
23													23
24													24
25													25
26		·50											26
27							·98						27
28								·45					28
29				0·55									29
30		×											30
31		×		×		×			×		×		31
TOTAL	1·05 ✓	2·13 ✓	0·56 ✓	1·93 ✓	1·33 ✓	1·26 ✓	2·61 ✓	1·22 ✓	0·97 ✓	2·93 ✓	2·16 ✓	1·44 ✓	YEAR'S TOTAL 19·59 ✓
*Days with ·01 in. or more.	10	18	6	13	12	11	13	10	5	11	19	19	147 ✓
*Days with ·04 in. or more.	6	14	3	11	11	10	11	7	4.	10.	14	12	113
40-9999	26·6			49·1		32·0	66·4		24·7	74·4	54·8		

(Signed).. [P.T.O.

*See Instruction 2 (*f*) on other side.

D

Section **A** for the entry of daily observations

Station No. 3601

METEOROLOGICAL OFFICE

Metform 1091
(Revised January, 1967)

REGISTER OF RAINFALL IN 1933

Kept at Berwick upon Tweed

in the County of

Diameter of funnel of gauge in.

Height of top of gauge above ground ft. in.

Height of ground above sea level ft.

Jan. 1, following

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph. **Please read the Notes and Instructions Overleaf**

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	†	
1	–	0·8	–	–	2·0	–	–	–	–	–	2·4	0·9		1
2	5·2	–	2·7	–	–	4·8	–	–	–	–	9·6	1·1		2
3	1·2	1·8	8·0	2·0	–	–	–	–	–	–	7·5	0·3		3
4	3·0	1·3	0·9	1·9	0·6	–	–	–	–	–	–	–		4
5	–	0·2	–	–	1·4	–	–	–	–	–	–	–		5
6	–	6·9	–	–	–	–	–	–	–	–	0·3	0·4		6
7	1·3	2·6	–	–	4·6	–	–	–	–	19·3	–	–		7
8	0·2	–	–	0·9	1·8	2·9	–	5·9	–	–	–	3·4		8
9	–	4·9	–	–	1·5	–	3·2	–	–	2·4	0·3	4·7		9
10	–	0·4	–	–	–	7·4	–	–	–	–	9·3	2·4		10
11	–	–	–	–	1·5	–	3·2	0·9	–	–	–	2·1		11
12	–	–	–	–	–	4·2	0·5	–	–	–	–	1·5		12
13	–	–	–	–	–	–	9·6	–	–	–	2·3	0·6		13
14	–	–	–	–	–	–	–	2·8	–	–	0·6	3·7		14
15	–	–	0·4	1·8	–	1·4	–	0·7	–	2·3	1·7	–		15
16	3·8	–	–	–	2·6	1·4	–	2·4	–	–	1·7	–		16
17	10·1	2·4	–	2·5	–	1·1	–	–	1·7	–	2·3	–		17
18	–	2·7	1·5	1·4	–	1·5	3·5	2·9	–	–	5·1	–		18
19	–	2·4	0·6	–	–	–	0·7	–	–	–	1·5	–		19
20	–	2·5	–	–	9·7	–	–	–	18·9	–	–	–		20
21	–	0·3	–	0·7	–	1·0	–	1·3	–	–	1·0	–		21
22	–	–	–	–	–	–	–	–	–	19·1	–	–		22
23	–	3·2	–	–	5·9	6·0	–	–	2·7	1·4	0·3	0·4		23
24	–	4·1	–	11·2	1·0	–	3·0	0·8	1·0	0·7	–	0·2		24
25	–	3·9	–	4·7	–	–	4·9	–	0·4	2·7	1·0	1·7		25
26	0·6	12·6	–	2·1	–	–	–	–	–	6·8	3·7	4·2		26
27	0·1	1·1	–	–	1·2	–	24·8	–	–	5·0	4·0	2·8		27
28	–	–	–	2·2	–	–	2·2	11·5	–	9·7	0·2	0·2		28
29	–	X	–	14·0	–	–	2·9	–	–	5·0	–	–		29
30	0·3	X	–	3·7	–	0·3	4·4	–	–	–	–	1·4		30
31	0·8	X	–	X	–	X	3·5	1·8	X	–	X	4·6		31
TOTAL	26·6	54·1	14·1	49·1	33·8	32·0	66·4	31·0	24·7	74·4	54·8	36·6	497·6	
*Days with 0.2 mm. or more														
*Days with 1.0 mm. or more														
OFFICE USE ONLY														

*See Instruction 3(*g*) on other side. †Spare column, no entries required, except years' total.

(*Signed*)

(P.T.O.)

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3601

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

Kept at Berwick-on-Tweed

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft ~~5~~ 0 in.

,, Ground ,, Sea Level 76·4 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1														1
2														2
3														3
4												·79		4
5														5
6								·85			·48			6
7														7
8														8
9														9
10														10
11			·71	1·10										11
12														12
13														13
14	·39													14
15					·37									15
16														16
17														17
18							1·70							18
19														19
20														20
21						94.								21
22														22
23														23
24														24
25														25
26														26
27		·13												27
28														28
29		X												29
30		X							·48	1·08				30
31		X		X		X			X		X			31
TOTAL	1·03 ✓	0·19 ✓	2·34 ✓	3·17 ✓	1·21 ✓	1·93 ✓	3·52 ✓	2·71 ✓	1·97 ✓	3·84 ✓	1·90 ✓	3·60 ✓	Year's Total 27·41 ✓	
*Days with ·01 in. or more.	10	3	18	18	15	11	11	17	15	16	14	24	172 ✓	
*Days with ·04 in. or more.	9	2	10	10	10	7	9	10	9	13	11	18	118	

40-9999

*See Instruction 2 (*f*) on other side.

† Spare column, no entries required.

(*Signed*)

[P.T.O.

Section **A** for the entry of Daily Observations

Station No. 3601

METEOROLOGICAL OFFICE

METFORM 1090
(Rev. Feb. 1965)

REGISTER OF RAINFALL IN 19~~6~~34

Kept at Berwick upon Tweed.

in the County of

Diameter of funnel of gauge .... in.

Height of top of gauge above ground .... ft. .... in.

Height of ground above sea level .... ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph. **Please read Notes and Instructions Overleaf**

Jan. 1, following

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	~~in.~~ mm	~~in.~~ mm	~~in.~~ mm	~~in.~~ mm	~~in.~~ mm	~~in.~~ mm	~~in.~~ mm	~~in.~~ mm	~~in.~~ mm	~~in.~~ mm	~~in.~~ mm	~~in.~~ mm	†	
1	–	–	0.5	–	–	–	–	3.1	–	–	–	0.9		1
2	–	0.3	0.1	0.3	–	–	–	0.9	1.8	–	0.2	2.4		2
3	–	–	–	–	–	–	–	–	0.4	1.4	2.1	1.3		3
4	0.3	–	–	–	–	–	–	–	–	2.0	0.5	20.0		4
5	–	–	1.6	0.4	4.9	–	–	–	–	–	2.6	1.2		5
6	1.6	–	0.3	1.2	4.4	2.9	–	21.7	0.3	4.1	12.3	2.3		6
7	–	1.3	–	1.4	1.4	0.3	–	–	–	–	1.1	3.6		7
8	–	–	1.8	–	0.7	–	–	–	0.5	–	1.4	0.8		8
9	–	–	0.5	15.3	–	–	–	1.1	0.7	0.5	10.8	0.9		9
10	–	–	5.2	10.3	–	–	–	9.2	–	–	2.3	–		10
11	1.0	–	18.1	28.0	2.3	–	–	0.3	–	–	7.8	1.5		11
12	–	–	5.4	7.1	1.3	–	1.4	5.4	–	–	4.3	3.6		12
13	5.4	–	0.5	–	1.1	1.5	0.4	0.2	–	0.8	1.0	–		13
14	10.0	–	9.6	–	1.2	0.3	10.1	–	0.2	0.7	–	3.0		14
15	–	–	7.0	0.3	9.5	–	–	0.2	1.9	7.7	–	7.1		15
16	2.0	–	1.9	–	0.2	–	–	–	–	3.3	0.8	–		16
17	1.3	–	0.7	4.7	0.8	–	22.6	–	6.0	1.8	1.1	8.8		17
18	–	–	0.7	0.8	0	2.6	43.2	2.7	–	–	–	2.7		18
19	–	–	3.0	1.1	1.1	0.6	–	–	0.2	–	–	0.6		19
20	–	–	–	–	0.3	1.5	–	9.9	–	–	–	–		20
21	–	–	–	–	–	23.8	1.3	0.8	1.8	–	–	–		21
22	–	–	–	0.3	–	13.9	0.7	0.6	6.8	–	–	9.5		22
23	–	–	1.4	4.1	1.3	–	–	–	–	1.0	–	1.8		23
24	–	–	–	–	0.2	1.1	–	–	2.1	12.9	–	0.8		24
25	0.1	–	–	0.4	–	–	1.2	0.6	3.0	8.0	–	10.0		25
26	–	–	–	0.2	–	0.6	–	–	–	3.5	–	1.5		26
27	–	3.3	–	0.3	–	–	2.0	–	–	3.3	–	0.7		27
28	–	–	0.1	4.4	–	–	1.9	6.3	–	–	–	4.4		28
29	1.5	X	0.6	–	–	–	4.5	1.8	12.0	19.1	–	2.1		29
30	2.0	X	0.4	–	–	–	–	–	12.3	27.4	–	–		30
31	1.0	X	–	X	–	X	–	4.0	X	–	X	–		31
TOTAL	26.2	4.9	59.4	80.6	30.7	49.1	89.3	68.8	50.0	97.5	48.3	91.5	Year's Total 696.3	
*Days with .01 in. or more.														
*Days with .04 in. or more.														

*See Instruction 3(*g*) on other side. †Spare column, no entries required, except year's total.

(Signed) .... (P.T.O.)

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 3601

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

Form 1090.

REGISTER OF RAINFALL IN 1935.

72

T.L.

Kept at Berwick-on-Tweed

in the County of N'land

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground 1 ft 03 in.

,, Ground ,, Sea Level 70 ft.

mm

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·34		·98											1
2										·57				2
3														3
4														4
5														5
6						·44								6
7														7
8														8
9														9
10														10
11														11
12														12
13					·30									13
14														14
15														15
16		·30		·65					0.59					16
17											·73	·29		17
18														18
19							·27							19
20														20
21														21
22														22
23														23
24														24
25														25
26								1·07						26
27														27
28														28
29														29
30		×												30
31		×		×		×			×		×			31
													Year's Total	
TOTAL	0.99	1.12	1.91	3.53	0.76	2.39	0.69	3.24	2.75	2.56	3.00	1.66	24.60	
*Days with ·01 in. or more.	9	13	12	20	6	17	9	10	16	22	19	15	168	
*Days with ·04 in. or more.	7	9	6	13	4	13	6	9	12	16	12	10	117	

✓

40-9999

*See Instruction 2 (f) on other side.

† Spare column, no entries required.

(Signed) ....

[P.T.O.

Section **A** for the entry of Daily Observations

Station No. 3601

METEOROLOGICAL OFFICE

METFORM 1090
(Rev. Feb. 1965)

REGISTER OF RAINFALL IN 196 35

Kept at Berwick upon Tweed.
in the County of
Diameter of funnel of gauge .... in.
Height of top of gauge above ground .... ft. .... in.
Height of ground above sea level .... ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following yecr in the space on the right of this paragraph. **Please read Notes and Instructions Overleaf**

Jan. 1, following

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	†	
1	8·6	–	25·0	–	0·5	–	4·8	–	4·3	–	–	–		1
2	–	–	5·7	0·4	–	4·5	–	–	2·2	14·5	0·3	–		2
3	–	0·3	5·0	0·9	–	4·3	1·1	–	–	–	5·5	–		3
4	–	–	0·5	0·5	–	3·9	–	–	0·2	5·4	4·3	–		4
5	3·6	–	0·3	0·5	–	1·4	–	–	0·3	3·0	1·2	–		5
6	3·2	1·4	–	0·3	–	11·1	–	–	2·0	5·8	0·4	–		6
7	3·5	–	–	7·3	–	6·5	–	–	–	0·5	9·5	0·2		7
8	–	–	–	3·2	–	3·2	–	–	–	–	0·3	–		8
9	–	1·0	–	6·3	–	–	–	–	–	0·9	5·1	0·3		9
10	–	2·2	–	1·4	–	3·7	–	–	–	1·9	2·7	–		10
11	–	0·4	–	–	–	–	–	11·8	–	–	–	0·3		11
12	–	1·3	–	–	–	1·4	–	–	–	–	–	0·7		12
13	2·3	1·3	–	1·7	7·6	–	–	–	1·4	0·2	–	0·3		13
14	–	–	–	–	–	0·4	–	–	0·2	2·1	3·2	2·5		14
15	–	3·2	–	8·5	4·0	0·9	–	2·8	0·8	2·1	–	1·3		15
16	–	7·7	0·5	16·4	2·3	1·5	0·5	16·8	15·0	0·3	4·4	3·8		16
17	–	–	–	9·9	4·6	–	–	5·5	–	0·9	18·5	7·3		17
18	0·8	–	–	–	0·3	–	1·4	–	7·6	2·5	0·5	4·0		18
19	–	06	–	1·0	–	4·3	6·8	–	–	0·5	–	–		19
20	–	–	–	9·7	–	0·9	0·2	–	–	–	–	–		20
21	–	0·4	2·0	5·2	–	–	–	0·3	12·7	6 0	–	–		21
22	–	7·6	–	14·5	–	–	–	–	8·4	–	0·7	–		22
23	1·2	–	0·8	1·1	–	–	1·0	–	–	2·8	–	–		23
24	0·5	–	1·5	0·4	–	–	–	1·0	–	–	–	3·5		24
25	1·4	–	–	–	–	–	–	–	–	–	0·8	3·0		25
26	–	–	–	0·4	–	0·5	1·5	27·1	6·5	3·5	3·3	7·0		26
27	–	1·0	–	–	–	–	0·3	9·3	1·2	1·5	1·2	–		27
28	–	–	0·2	–	–	–	–	–	1·2	3·5	–	–		28
29	–	X	6·1	–	–	3·0	–	2·5	2·7	2·5	0·3	1·4		29
30	–	X	0·8	–	–	9·1	–	5·2	–	2·1	14·0	–		30
31	–	X	–	X	–	X	–	–	X	2·4	X	6·5		31
TOTAL	25·1	28·4	48·4	89·6	19·3	60·6	17·6	82·3	69·7	64·9	96·2	42·1	Year's Total 624·2	
*Days with .01 in. or more.														
*Days with .04 in. or more.														

*See Instruction 3(*g*) on other side.

†Spare column, no entries required, except year's total.

(Signed) .... (P.T.O.)

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3601

72

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090.

REGISTER OF RAINFALL IN 1936.

T.L.

Kept at Berwick - on - Tweed

in the County of Northumberland

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft 5 in.

,, Ground ,, Sea Level 76 ft.

mm.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1		0·61						0·41						1
2														2
3														3
4														4
5														5
6							0·63							6
7														7
8														8
9			0·95											9
10														10
11														11
12				0·26										12
13												·35		13
14														14
15														15
16														16
17											·83			17
18														18
19														19
20														20
21														21
22														22
23														23
24					0·41				0·79	0·36				24
25														25
26														26
27														27
28														28
29	0·89					0·56								29
30		×												30
31		×		×		×			×		×			31
TOTAL	3·73 ✓	2·90 ✓	1·94 ✓	1·13 ✓	0·85 ✓	1·06 ✓	2·93 ✓	1·21 ✓	3·38 ✓	1·36 ✓	2·47	1·21	Year's Total. 24·17	✓ (~~24·18~~)
* Days with .01 in. or more.	20	13	13	12	10	10	20	12	16	13	14	11	164	✓
* Days with .04 in. or more.	18	13	9	10	5	6	13	6	12	10	9	7	118	✓
40-9999	94·8	73·6	49·3	28·8	21·6	27·0	74·3	30·8	85·8	34·6	62·8	30·7 ✓	614·1	

† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(*Signed*) ....

P.T.O.

Section **A** for the entry of Daily Observations

Station No. 3601

METEOROLOGICAL OFFICE

METFORM 1090
(Rev. Feb. 1965)

REGISTER OF RAINFALL IN 1936

Kept at Berwick upon Tweed

in the County of

Diameter of funnel of gauge .... in.

Height of top of gauge above ground .... ft. .... in.

Height of ground above sea level .... ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following yecr in the space on the right of this paragraph. Please read Notes and Instructions Overleaf

Jan. 1, following

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	*Date*
	~~in.~~ mm	~~in.~~ mm	~~in.~~ mm	~~in.~~ mm	~~in.~~ mm	~~in.~~ mm	~~in.~~ mm	~~in.~~ mm	~~in.~~ mm	~~in.~~ mm	~~in.~~ mm	~~in.~~ mm		
1	7.6	15.5	1.9	–	–	–	5.0	10.5	9.6	–	–	–		1
2	5.2	1.6	–	–	–	–	0.8	2.0	6.4	–	0.1	1.9		2
3	–	–	–	–	–	4.0	5.5	–	5.6	–	–	0.8		3
4	11.5	–	2.1	–	0.2	–	–	3.2	7.9	0.3	7.1	–		4
5	5.2	–	–	–	0.4	–	–	1.0	–	–	0.4	–		5
6	2.2	–	–	–	–	–	15.9	8.9	9.9	–	2.5	–		6
7	2.4	–	0.1	–	–	–	5.6	–	2.3	–	1.2	0.9		7
8	2.5	–	4.0	–	–	–	–	0.2	–	1.2	0.8	–		8
9	10.4	–	24.0	–	–	2.0	0.2	0.2	3.5	2.5	2.7	–		9
10	1.9	–	–	2.3	–	–	0.5	–	0.5	0.1	–	–		10
11	–	–	–	2.7	–	0.9	–	3.1	–	0.4	7.3	1.1		11
12	1.5	–	–	6.7	1.6	0.3	0.6	–	12.1	–	7.8	–		12
13	–	–	–	2.1	–	–	3.8	–	–	4.2	0.6	8.9		13
14	–	–	–	4.5	–	2.2	0.2	0.3	3.1	0.2	–	1.2		14
15	–	–	–	3.9	–	1.5	4.1	0.9	0.2	–	3.4	–		15
16	0.4	–	–	–	–	0.2	0.3	–	–	0.1	6.8	6.7		16
17	1.9	4.5	–	2.0	0.7	–	6.3	0.3	–	2.2	21.0	3.1		17
18	–	1.8	0.2	1.2	–	–	–	0.2	0.3	7.8	0.4	–		18
19	6.4	4.8	–	–	–	–	4.7	–	–	1.9	–	–		19
20	4.3	1.0	–	0.2	–	–	–	–	–	–	–	0.3		20
21	1.9	1.9	0.7	–	–	–	6.7	–	–	–	–	5.6		21
22	–	7.1	–	–	2.8	1.1	–	–	–	–	–	–		22
23	–	5.8	–	1.2	–	–	5.2	–	–	–	–	–		23
24	–	4.3	–	–	10.5	–	–	–	20.0	9.2	–	–		24
25	3.1	–	1.2	–	0.2	–	0.4	–	0.5	–	–	0.2		25
26	–	–	1.3	1.2	0.3	–	1.4	–	2.9	1.5	–	–		26
27	0.9	6.8	1.8	–	–	–	1.3	–	1.0	–	0.7	–		27
28	1.8	7.5	–	0.8	–	–	–	–	–	–	–	–		28
29	22.6	11.0	6.3	–	1.5	14.2	–	–	–	1.9	–	–		29
30	–	X	0 8	–	–	0.6	5.8	–	–	1.1	–	–		30
31	1.1	X	4.9	X	3.4	X	–	–	X	–	X	–		31
TOTAL	94.8	73.6	49.3	28.8	21.6	27.0	74.3	30.8	85.8	34.6	62.8	30.7	Year's Total 614.1	
*Days with .01 in. or more.														
*Days with .04 in. or more.														

*See Instruction 3(*g*) on other side.

†Spare column, no entries required, except year's total.

(*Signed*) ....

(P.T.O.)

FOR OFFICIAL USE.

3601 72

Section **A** for the entry of Daily Observations.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 10

REGISTER OF RAINFALL IN 1937.

T.L.

Kept at Berwick-on-Tweed (Ramparts)

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft 0 in.

,, Ground ,, Sea Level ~~74~~ ft. 76 MWA

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ✓

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	
1									·12				1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11						·17							11
12													12
13			·44									1·00	13
14								·86					14
15													15
16				·33									16
17													17
18													18
19											·09		19
20					1·33								20
21							·43						21
22													22
23										·60			23
24													24
25													25
26													26
27													27
28													28
29													29
30	·30	✕											30
31		✕		✕		✕			✕		✕		31
TOTAL	1·93	2·76	3·22	1·36	2·77	1·25	2·56	2·74	·56	2·19	·34	4·26	YEAR'S TOTAL 25·94
Days with 0·2 mm. or more.	17	16	23	15	13	17	15	13	13	13	10	22	187
Days with 1·0 mm. or more.	13	9	17	11	10	12	12	9	5	10	3	16	127
(144W)	48·9	70·1	81·9	34·6	70·4	31·7	65·0	69·6	14·1	55·5	8·7	108·2	658·7

40-9999

(Signed).. [P.T.O.

Section **A** for the entry of Daily Observations

Station No. 3601

METEOROLOGICAL OFFICE

METFORM 1090
(Rev. Feb. 1965)

REGISTER OF RAINFALL IN 19~~6~~37

Kept at Berwick upon Tweed

in the County of

Diameter of funnel of gauge .... in.

Height of top of gauge above ground .... ft. .... in.

Height of ground above sea level .... ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph. **Please read Notes and Instructions Overleaf**

Jan. 1, following

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	~~in.~~ mm	~~in.~~ mm	~~in.~~ mm	~~in.~~ mm	~~in.~~ mm	~~in.~~ mm	~~in.~~ mm	~~in.~~ mm	~~in.~~ mm	~~in.~~ mm	~~in.~~ mm	~~in.~~ mm		
1	0.2	0.9	7.6	0.7	–	2.9	–	–	3.1	3.9	–	0.3		1
2	–	3.7	1.0	3.0	–	2.1	–	–	–	0.6	–	0.6		2
3	–	8.8	–	3.3	4.3	2.2	8.4	–	0.5	0.1	–	7.8		3
4	3.8	0.1	1.2	–	6.9	2.2	7.2	2.5	0.1	–	–	2.2		4
5	1.2	–	2.0	–	1.4	2.8	4.6	0.2	0.3	–	–	6.1		5
6	–	–	3.2	1.5	1.2	0.4	–	–	1.7	0.1	0.1	0.5		6
7	–	0.7	1.3	3.0	–	–	1.8	–	1.9	–	1.0	11.0		7
8	–	109	2.9	–	–	0.2	3.4	–	–	0.7	0.6	149		8
9	–	–	109	0.5	–	–	8.3	2.0	–	–	0.7	2.5		9
10	–	–	5.8	0.2	–	1.3	3.9	–	–	–	0.7	4.5		10
11	–	–	4.0	–	–	4.2	–	–	–	–	–	5.4		11
12	6.6	3.7	8.0	1.4	–	–	–	0.3	0.2	–	0.2	0.1		12
13	–	0.9	11.1	–	0.7	1.2	2.0	–	2.4	–	–	25.5		13
14	–	0.5	1.1	–	–	3.3	0.9	21.8	–	–	–	11.6		14
15	–	29	–	4.7	–	–	1.7	–	–	–	–	1.4		15
16	0.4	0.4	9.6	8.3	1.4	0.2	–	2.5	–	–	0.4	5.8		16
17	5.1	0.4	5.0	0.8	0.8	–	–	0.3	1.2	–	–	2.0		17
18	–	1.2	–	–	–	3.3	–	2.1	0.3	–	–	–		18
19	–	–	0.6	1.9	–	0.8	–	1.4	0.3	–	2.3	–		19
20	1.7	–	3.1	1.2	33.8	–	0.3	–	0.4	2.3	–	0.1		20
21	2.0	–	0.3	2.3	3.7	–	10.9	–	–	1.4	–	0.5		21
22	0.6	–	1.8	–	1.0	0.1	0.8	–	–	0.3	–	1.5		22
23	2.1	–	0.2	–	1.1	–	–	–	–	15.3	–	1.4		23
24	3.6	0.1	–	–	–	–	8.7	–	0.8	2.7	–	–		24
25	1.6	6.5	–	–	0.5	–	–	0.3	–	3.4	–	–		25
26	3.7	9.4	0.7	–	13.6	–	–	–	–	–	–	–		26
27	0.1	18.6	0.3	1.8	–	–	2.1	–	–	6.2	0.3	–		27
28	0.8	0.4	0.2	–	–	2.2	–	–	–	5.3	–	0.9		28
29	1.4	X	–	–	–	0.7	–	16.8	–	2.8	0.3	1.0		29
30	7.5	X	–	–	–	1.6	–	8.1	0.9	–	2.1	0.6		30
31	6.5	X	–	X	–	X	–	11.3	X	10.4	X	–		31
TOTAL	48.9	70.1	81.9	34.6	70.4	31.7	65.0	69.6	14.1	55.5	8.7	108.2	Year's Total 658	7
*Days with .01 in. or more.														
*Days with .04 in. or more.														

*See Instruction 3(*g*) on other side. †Spare column, no entries required, except year's total.

(*Signed*) .... (P.T.O.)

72

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3601

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1.

REGISTER OF RAINFALL IN 1938.

Kept at Berwick-on-Tweed (Ramparts)
in the County of Northumberland
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft. 0 in.
,, Ground ,, Sea Level 74 ft.

T.L

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	†	
1						87								1
2				·04										2
3														3
4														4
5														5
6														6
7														7
8														8
9	·74													9
10														10
11														11
12											·56			12
13														13
14														14
15												·31		15
16														16
17														17
18														18
19														19
20			·46											20
21														21
22														22
23														23
24										·54				24
25							·93							25
26		19												26
27														27
28					·55									28
29								·52						29
30		✕							·57					30
31		✕		✕		✕			✕		✕			31
TOTAL	55·1	12·8	20·2	3·7	52·0	60·2	77·2	32·4	58·5	69·3	64·7	45·3	Year's Total 551·4	
* Days with 0.2 mm. or more.	19	9	8	8	17	15	16	15	18	19	16	22	182	
* Days with 1.0 mm. or more.	12	4	4	1	11	9	10	9	12	13	10	14	109	

(141w) * See Instruction 2 (f) on other side. † Spare column, no entries required, except year's total.

40-9999. 2·17 ·50 ·80 ·15 2·05 2·37 3·04 (Signed) 1·28 2·30 2·73 2·55 1·78 2·72 [P.T.O.

Section **A** for the entry of Daily Observations

Station No. 3601

METEOROLOGICAL OFFICE

METFORM 1090
(*Rev. Feb. 1965*)

REGISTER OF RAINFALL IN 19~~6~~38

Kept at Berwick upon Tweed

in the County of

Diameter of funnel of gauge .... in.

Height of top of gauge above ground .... ft. .... in.

Height of ground above sea level .... ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following yecr in the space on the right of this paragraph. **Please read Notes and Instructions Overleaf**

Jan. 1, following

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	*Date*
	~~in.~~ mm	~~in.~~ mm	~~in.~~ mm	~~in.~~ mm	~~in.~~ mm	~~in.~~ mm	~~in.~~ mm	~~in.~~ mm	~~in.~~ mm	~~in.~~ mm	~~in.~~ mm	~~in.~~ mm		
1	–	2·7	–	–	–	22·2	0·8	–	5·7	–	2·2	–		1
2	1·8	–	–	1·1	–	7·8	0·6	–	3·2	7·3	–	1·0		2
3	1·3	–	–	0·2	–	0·2	0·7	–	3·0	7·2	7·1	–		3
4	0·9	–	–	0·9	–	0·8	5·1	–	0·1	–	0·9	5·9		4
5	–	0·6	0·5	–	–	–	–	1·8	0·7	0·4	–	–		5
6	0·2	–	3·0	–	–	1·5	5·6	1·0	8·6	2·2	–	–		6
7	–	–	–	–	0·3	–	11·7	1·4	1·0	–	7·4	0·8		7
8	2·6	–	–	–	–	–	4·0	0·3	–	11·4	13·5	0·2		8
9	18·8	–	0·2	–	2·1	0·4	1·1	0·1	–	0·2	–	5·2		9
10	–	0·3	–	–	–	5·4	–	0·2	0·7	1·8	–	0·7		10
11	0·9	–	–	–	0·8	0·9	8·6	–	0·1	0·5	1·2	1·1		11
12	1·0	0·4	–	–	0·9	–	–	0·8	–	1·4	14·2	–		12
13	0·4	1·9	–	–	0·4	–	2·7	1·7	6·1	0·1	2·4	2·1		13
14	1·4	–	–	–	1·3	–	–	–	0·1	–	–	2·9		14
15	0·2	0·4	–	–	1·4	–	0·2	3·9	–	0·5	–	8·0		15
16	7·1	0·6	–	–	0·9	–	–	0·4	2·5	0·8	0·1	1·6		16
17	–	–	–	–	–	–	–	2·1	0·2	1·8	–	–		17
18	0·1	1·2	0·1	–	–	3·7	–	–	1·1	2·8	3·3	0·4		18
19	–	–	1·3	–	0·3	–	0·5	1·2	0·2	0·3	–	1·0		19
20	0·2	–	11·7	–	–	–	–	–	2·1	–	–	2·3		20
21	–	–	0·1	0·2	1·7	–	–	–	–	–	0·3	1·0		21
22	–	–	2·1	0·2	3·2	–	–	–	–	–	4·5	1·5		22
23	1·0	–	–	0·3	7·5	5·6	–	0·3	–	–	6·6	0·6		23
24	0·3	–	–	0·5	–	0·3	–	3·3	1·4	13·8	–	0·9		24
25	–	–	0·9	0·3	2·8	–	23·7	–	–	4·2	0·2	2·2		25
26	–	4·7	0·3	–	1·0	1·3	5·7	–	0·2	6·9	–	–		26
27	2·9	–	–	–	6·2	0·3	5·2	0·8	0·3	3·7	0·2	0·6		27
28	1·8	–	–	–	13·9	8·8	0·1	–	6·7	–	0·2	0·4		28
29	–	X	–	–	–	–	0·9	13·1	–	0·1	–	–		29
30	3·3	X	–	–	–	1·0	–	–	14·5	–	0·4	–		30
31	8·9	X	–	X	7·3	X	–	–	X	1·9	X	4·9		31
TOTAL	55·1	12·8	20·2	3·7	52·0	60·2	77·2	32·4	58·5	69·3	64·7	45·3	Year's Total 551·4	
*Days with .01 in. or more.														
*Days with .04 in. or more.														

*See Instruction 3(*g*) on other side.

†Spare column, no entries required, except year's total.

(*Signed*) .... (P.T.O.)

~~72~~
3601

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1091.

REGISTER OF RAINFALL IN 1939.

Kept at Berwick-on-Tweed (Ramparts)
in the County of Northumberland
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft. 0 in.
,, Ground ,, Sea Level 74 ft.

T.L.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	
1								·54					1
2													2
3													3
4													4
5													5
6													6
7													7
8												·33	8
9										·42			9
10									·93				10
11													11
12													12
13					·25								13
14													14
15						·44							15
16													16
17	·48												17
18													18
19													19
20													20
21				·33									21
22		·14											22
23													23
24													24
25													25
26													26
27			·34										27
28													28
29							·78						29
30		×									·33		30
31		×		×		×			×		×		31
TOTAL	76·7	16·2	43·1	25·1	13·3	37·0	58·9	33·7	40·2	62·6	47·8	30·6	YEAR'S TOTAL 485·2
*Days with 0·2 mm. or more.	24	11	25	12	6	12	17	10	11	17	17	13	175
*Days with 1·0 mm. or more.	19	7	10	8	5	7	13	5	6	12	12	7	111
	3·02	·64	1·70	·99	·52	1·46	2·32	1·33	1·58	2·46	1·88	1·20	18·10

(144W)
40-9999

(Signed)

[P.T.O.

Section **A** for the entry of Daily Observations

Station No. 3601

METEOROLOGICAL OFFICE

METFORM 1090
(Rev. Feb. 1965)

REGISTER OF RAINFALL IN 19~~6~~39

Kept at Berwick upon Tweed

in the County of

Diameter of funnel of gauge .... in.

Height of top of gauge above ground .... ft. .... in.

Height of ground above sea level .... ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph. **Please read Notes and Instructions Overleaf**

Jan. 1, following

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	†	
1	9.8	—	1.7	0.2	—	—	—	13.7	5.5	0.4	0.7	2.1		1
2	2.9	—	0.4	2.5	—	—	—	6.8	4.2	1.4	1.2	—		2
3	—	—	0.8	2.8	—	—	—	—	—	0.1	0.6	0.2		3
4	1.2	—	1.4	—	—	—	1.9	—	0.5	—	4.7	0.5		4
5	—	—	0.6	—	1.6	—	7.1	0.5	—	5.5	5.7	7.1		5
6	2.3	0.3	0.2	—	—	—	6.3	—	—	7.1	—	—		6
7	0.8	0.2	1.2	—	—	—	—	0.5	0.3	—	—	0.3		7
8	5.3	2.4	0.3	2.6	—	—	0.2	0.1	—	0.1	0.4	8.4		8
9	1.0	1.3	—	—	—	—	1.8	6.8	1.1	10.6	—	4.1		9
10	—	—	0.2	—	—	1.4	—	0.1	23.5	3.2	—	—		10
11	2.0	—	6.6	—	0.1	4.1	0.2	—	—	7.0	0.1	0.1		11
12	0.5	—	0.4	2.2	—	0.1	4.4	—	1.3	6.3	0.5	—		12
13	—	—	2.6	—	6.4	0.5	0.3	—	1.8	—	—	—		13
14	5.0	—	0.6	0.3	1.5	1.6	5.8	—	—	1.9	1.6	—		14
15	1.2	0.1	0.1	0.1	—	11.1	—	1.0	—	0.2	—	2.2		15
16	4.1	—	0.6	—	—	—	—	—	—	—	—	0.2		16
17	12.3	0.5	0.4	—	1.8	0.2	1.6	—	—	—	0.4	—		17
18	5.4	0.5	1.4	—	—	0.9	1.4	—	—	—	7.8	—		18
19	4.4	—	—	—	0.8	10.4	—	—	—	—	—	0.3		19
20	0.2	—	—	1.0	1.1	0.1	—	0.2	—	—	—	0.8		20
21	1.7	1.6	0.2	8.3	—	—	—	0.1	—	—	—	—		21
22	2.2	3.6	—	—	—	0.1	—	—	—	—	1.3	—		22
23	1.1	2.3	0.9	0.1	—	2.3	1.9	—	0.8	—	—	—		23
24	—	—	7.4	1.2	—	0.1	—	0.1	—	2.4	2.4	—		24
25	0.8	—	0.8	2.7	—	—	—	0.3	0.3	1.9	3.8	2.1		25
26	1.6	—	1.5	—	—	—	—	3.0	0.9	10.1	1.5	—		26
27	7.4	2.2	8.6	0.2	—	3.4	0.6	0.1	—	0.4	1.1	—		27
28	2.9	1.2	3.2	0.8	—	0.3	1.9	—	—	0.1	5.6	2.3		28
29	0.1	X	0.1	—	—	—	19.7	—	—	3.5	—	—		29
30	0.5	X	0.7	01	—	0.4	2.8	0.4	—	0.2	8.4	—		30
31	—	X	0.2	X	—	X	1.0	—	X	0.2	X	—		31
TOTAL	76.7	16.2	43.1	25.1	13.3	37.0	58.9	33.7	40.2	62.6	47.8	30.7	Year's Total 4853	
*Days with .01 in. or more.														
*Days with .04 in. or more.														

*See Instruction 3(*g*) on other side.

†Spare column, no entries required, except year's total.

(Signed) .... (P.T.O.)

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations — Station No. 3601

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1091.

REGISTER OF RAINFALL IN 1940

Kept at Berwick-on-Tweed (Ramparts)

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

,, ,, Ground ,, Sea Level 74 ft.

T L

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.		
1														1
2											·57			2
3														3
4		·31												4
5										·30				5
6														6
7	·13													7
8														8
9														9
10														10
11			·57											11
12														12
13							1·76							13
14														14
15														15
16									·75					16
17														17
18														18
19														19
20								·30						20
21				·21		·44								21
22														22
23														23
24	13													24
25														25
26					·62									26
27														27
28														28
29														29
30		✕										·39		30
31		✕		✕		✕			✕		✕			31
TOTAL	21·6	26·5	67·1	21·2	30·1	16·5	194·7	31·6	51·1	61·8	70·5	36·8	Year's Total 629·5	
* Days with 0.2 mm. or more.	13	13	17	11	9	5	21	11	15	20	19	18	172	
* Days with 1.0 mm. or more.	10	9	12	8	5	4	18	8	9	14	13	10	120	
	·85	1·04	2·64	·83	1·19	·65	7·67	1·24	2·01	2·43	2·78	1·45	24·78	

(141w) * See Instruction 3 (f) on other side. † Spare column, no entries required, except year's total.

(Signed) .... [P.T.O.

Section **A** for the entry of Daily Observations

Station No. 3601

METEOROLOGICAL OFFICE

METFORM 1090
(*Rev. Feb. 1965*)

REGISTER OF RAINFALL IN 19~~6~~40

Kept at Berwick upon Tweed

in the County of

Diameter of funnel of gauge .... in.

Height of top of gauge above ground .... ft. .... in.

Height of ground above sea level .... ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph. **Please read Notes and Instructions Overleaf**

Jan. 1, following

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	†	
1	–	–	–	–	–	–	2.1	–	–	–	0.3	1.0		1
2	1.1	–	–	–	–	–	5.3	–	–	–	14.4	1.4		2
3	–	1.0	–	4.1	–	–	0.7	–	–	0.6	0.1	–		3
4	–	8.0	–	0.2	–	–	0.3	–	–	5.1	0.1	0.1		4
5	–	0.4	–	–	6.3	–	0.5	–	–	7.6	4.2	5.6		5
6	2.1	0.1	–	–	–	–	4.5	–	–	3.5	8.6	0.7		6
7	3.2	2.5	1.3	1.6	0.2	–	1.6	1.1	–	0.3	–	1.3		7
8	–	–	0.2	0.1	–	0.2	4.4	3.7	–	5.3	0.9	0.6		8
9	–	–	5.4	–	–	–	3.7	–	1.0	6.8	4.5	–		9
10	–	–	–	–	–	–	28.0	0.4	0.8	–	5.2	–		10
11	–	1.3	14.6	–	–	–	6.6	–	4.3	–	9.3	–		11
12	–	–	13.9	–	–	1.1	–	–	1.9	–	1.7	–		12
13	–	5.9	0.4	–	–	–	44.8	0.1	0.4	–	0.3	0.6		13
14	–	1.4	0.7	0.4	0.7	–	16.6	–	1.8	0.4	–	2.6		14
15	1.7	–	–	–	0.6	–	–	–	–	–	4.0	0.4		15
16	0.3	–	0.2	1.7	–	–	11.4	–	19.1	6.0	0.2	0.2		16
17	–	–	1.1	–	–	–	42.7	–	1.6	3.3	3.5	–		17
18	–	–	5.9	–	–	–	7.6	5.0	0.5	–	1.7	0.7		18
19	–	–	1.4	0.3	–	–	–	3.5	5.8	–	5.0	0.1		19
20	–	1.1	1.9	2.2	2.9	–	–	7.6	0.4	–	0.4	–		20
21	1.4	–	6.5	5.4	–	11.3	–	2.1	–	6.1	–	–		21
22	1.8	–	–	–	–	2.9	–	0.4	10.4	4.3	–	–		22
23	–	2.1	2.7	2.9	–	–	–	–	–	0.4	2.9	0.1		23
24	3.2	–	–	1.1	–	–	6.3	–	0.2	1.4	–	2.4		24
25	–	–	–	–	1.7	–	1.0	–	–	–	–	14		25
26	2.6	0.8	–	–	15.8	–	3.1	5.8	2.7	2.3	0.7	–		26
27	–	1.0	0.2	1.2	–	–	1.6	–	–	1.5	–	0.3		27
28	0.2	0.7	–	–	–	–	–	1.5	0.2	0.2	2.5	0.8		28
29	0.2	0.2	6.4	–	–	1.0	1.9	–	–	1.3	–	3.0		29
30	1.2	X	–	–	0.8	–	–	–	–	5.0	–	9.8		30
31	2.6	X	4.3	X	1.1	X	–	0.4	X	0.4	X	3.7		31
TOTAL	21.6	26.5	67.1	21.2	30.1	16.5	194.7	31.6	51.1	61.8	70.5	36.8	Year's Total 6295	
*Days with .01 in. or more.														
*Days with .04 in. or more.														

*See Instruction 3(*g*) on other side. †Spare column, no entries required, except year's total.

(*Signed*) .... (P.T.O.)

3602

Section A for the entry

AIR MINIS

FORM 1090.

REGI

3602

HAL~~SE~~ADS

1931-39

3

780703

INFALL ORGANIZATION.

FOR OFFICIAL USE.

93/.

Kept at Hallheads

in the County of Cu

Diameter of Funnel of Gauge

Height of top of Gauge above Gr

,, Ground ,, Sea

THE MORNING MEA

DAY.

An observer who does not conform

insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1		0.54	0.02										1
2				0.12		0.02			0.27	0.20	1.37	1.37	2
3		0.06		0.29	0.04	0.60	0.25		0.77	0.06	3.92		3
4	0.0.2						[illegible]4		0.75	0.03	0.12	0.50	4
5		0.03		0.42	0.11	0.02	0.47	0.09	0.13	0.03		0.90	5
6					0.21	0.67			0.02	0.25	0.36		6
7		0.10	0.02			0.19	0.24	0.31		0.50	0.10	0.14	7
8		0.06				0.35	0.35	0.14		0.50	0.23	0.04	8
9	0.03	0.03			0.05	0.02	0.10	0.17		0.52	0.30	0.03	9
10	0.05	0.45	0.07	0.08		0.12		0.02			0.50		10
11	0.04	0.31	0.14		0.52	0.58	0.32		0.22		0.44		11
12	0.40	0.81		0.04	0.10	0.14	0.24			0.16	0.16		12
13	0.12	0.23	0.60	0.04		0.06	0.01	0.02			0.05		13
14	0.02	0.02		0.02	0.35	1.97	0.27	0.35			0.35	0.06	14
15	0.13	0.10	0.08		0.30	0.61	0.42	0.05	0.05			0.02	15
16	0.21	0.40		0.19	0.08	0.11	0.07	1.20	0.05				16
17	0.65	0.02		0.42	0.11	0.14	0.08	0.14			0.17		17
18	0.03	0.14		0.21	0.14	0.09	0.47	1.01			0.38		18
19	0.25			0.06		0.11	[illegible]4			0.02			19
20	0.05	0.15				0.02		0.02			0.30	0.02	20
21		0.16		0.02		0.13		0.11					21
22	0.14	0.12	0.10		0.16	0.11	0.47				0.25		22
23	1.00	0.24	0.01	0.25	0.19	0.17				0.05		0.29	23
24	1.25	0.06		0.29	0.13		0.04					0.04	24
25	0.50	0.36		0.18	0.20							0.03	25
26	0.21	0.30		0.22	0.03								26
27		0.02		0.17			0.69			0.35		0.03	27
28	0.21	0.06		0.10			0.08		0.03			0.20	28
29	0.23			0.14	0.51		0.77		0.11	0.43			29
30	0.11	×	0.01		0.16								30
31		×		×	0.37	×	0.10		×		×		31
TOTAL	5.65	4.77	1.05	3.26	3.76	6.15	5.12	3.63	2.40	3.10	11.54	3.67	YEAR'S TOTAL 54.10
*Days with ·01 in. or more.	21	24	9	19	19	21	21	13	10	13	16	14	200
*Days with ·04 in. or more.	17	19	5	17	18	17	20	10	8	10	16	9	166

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(Signed) [P.T.O.

*See Instruction 2 (*f*) on other side.

3602

Section **A** for the entr [redacted] FOR OFFICIAL USE.
AIR MINIS INFALL ORGANIZATION.

FORM 1090.

REG 93 / .

Kept at Hallsteads

in the County of Cumberland

Diameter of Funnel of Gauge..........in.
Height of top of Gauge above Ground..........ft..........in.
,, Ground ,, Sea Level..........ft.

Total yearly

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1		0·54	0·02										1
2				0·12		0·02			0·27	0·20	1·37	1·37	2
3		0·06		0·29	0·04	0·60	0·25		0·77	0·06	3·92		3
4	0·02						0·04		0·75	0·03	0·12	0·50	4
5		0·03		0·42	0·11	0·02	0·47	0·09	0·13	0·03		0·90	5
6					0·21	0·67			0·02	0·25	0·36		6
7		0·10	0·02			0·19	0·24	0·31		0·50	0·10	0·14	7
8		0·06				0·35	0·35	0·14		0·50	0·23	0·04	8
9	0·03	0·03			0·05	0·02	0·10	0·17		0·52	0·30	0·03	9
10	0·05	0·45	0·07	0·08		0·12		0·02			0·50		10
11	0·04	0·31	0·14		0·52	0·58	0·32		0·22		0·44		11
12	0·40	0·81		0·04	0·10	0·11	0·24			0·16	0·10		12
13	0·12	0·23	0·60	0·04		0·06	0·01	0·02			0·05		13
14	0·02	0·02		0·02	0·35	1·97	0·27	0·35			0·35	0·06	14
15	0·13	0·10	0·08		0·30	0·61	0·42	0·05	0·05			0·02	15
16	0·21	0·40		0·19	0·08	0·11	0·07	1·20	0·05				16
17	0·65	0·02		0·42	0·11	0·14	0·08	0·14			0·17		17
18	0·03	0·14		0·21	0·14	0·09	0·47	1·01			0·38		18
19	0·25			0·06		0·11	[illegible]			0·02			19
20	0·05	0·15				0·02		0·02			0·30	0·02	20
21		0·16		0·02		0·13		0·11					21
22	0·14	0·12	0·10		0·16	0·11	0·47				0·25		22
23	1·00	0·24	0·01	0·25	0·19	0·17				0·05		0·29	23
24	1·25	0·06		0·29	0·13		0·04					0·04	24
25	0·50	0·36		0·18	0·20							0·03	25
26	0·21	0·30		0·22	0·03								26
27		0·02		0·17			0·69			0·35		0·03	27
28	0·21	0·06		0·10			0·07		0·03			0·20	28
29	0·23			0·14	0·51		0·77		0·11	0·43			29
30	0·11	✕	0·01		0·16								30
31		✕		✕	0·37	✕	0·10		✕		✕		31
TOTAL	5·65	4·77	1·05	3·26	3·76	6·15	5·12	3·63	2·40	3·10	11·54	3·67	YEAR'S TOTAL 54·10
*Days with ·01 in. or more.	21	24	9	19	19	21	21	13	10	13	16	14	200
*Days with ·04 in. or more.	17	19	5	17	18	17	20	10	8	10	16	9	166

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(Signed).......... [P.T.O.

*See Instruction 2 (*f*) on other side.

3602

Section **A** for the entry of Daily Observations.

COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

Kept at Hallsteads Ullswater

in the County of Cumberland

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

,, Ground ,, Sea Level .... ft.

dup

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	0·36			0·20			0·04		0·60	0·12	0·23	1·22	1
2	0·88			0·05	0·20		0·30	0·01	0·44	0·18	0·17	0·26	2
3	0·26						0·24	0·02	0·29	0·06	0·35	0·54	3
4	0·39		0·06		0·01		0 80	0·01	0·04	0·03		0·05	4
5	0·87		0·40	0·25	0·03			0·03	0 24				5
6	0·23		0·26	0 55					0·24	1·19			6
7	0·05		0·51	0·24	0·13				0·29	0·78			7
8	0·02			0·22	0·02				0·35	0·70			8
9	0·24	0·0·3		0·44	0·64				0·12	0·23		0·02	9
10	0·30	0·04		0·22					0·73	0·19			10
11	0·03	0·01	0 02	0·03	0·22	0·01	0·50		0·18				11
12	1·03				0 55	0·02	1·17	0·06	0·03				12
13	0·35	0 02		0·45	0·06		0·03		0 80	0·53		0·06	13
14	1·25			0·13						0·03	0·02	0·50	14
15	1·47			0·10	0·45					0·08	0·08	0·40	15
16	1·28						0·02			0·03		1·75	16
17	0·10						0·08		0·01	0·75		0·69	17
18	0·05				0·37					0·02		0·17	18
19	0·01		0·07	0·31	0·25		0·07	0·03		0·16		0·18	19
20	0·04			0·40	0·02			1·16		0·08	0·07	0·15	20
21	0·11			0·01			0·03	0·06		1 38	0·30	0·45	21
22	0 07	0·01	0·36	0 28			0·17			0·26	0·82	0·46	22
23		0·02	0·12	0·06	0 05		0·07			0·05	0·26	0·32	23
24	0·03			0·04		0·02	0·07		0·51	0·04	0·06	0·01	24
25				0 13	0·18		0·11		0·33	0·44	0·44	~~0·06~~	25
26					0 14	0·01	0·78		0·23	0·31	0·38		26
27			0·65	0·15		0·83	0·11			0·05	0·10	[illegible]	27
28			0·16	0·06	0 35		0·10	0·06		0·04	0·01	[illegible]	28
29	0·06		1·27	0·14	0·03	0·15	0·24	0·25	0·02	0·66	0·49	0·37	29
30		×	0·07	0·05		1·65	0·30	0·05	0·48	0·16	0·16	0·01	30
31	0·01	×		×		×	0·03	0·03	×	0·01	×	0 40	31
TOTAL	11·49	0·13	3·95	5·31	3·19	2·69	3·26	1·77	5·93	8·48	3·94	8·16	YEAR'S TOTAL 60·30
*Days with ·01 in. or more.	25	6	12	23	18	7	21	12	19	28	16	22	209
*Days with ·04 in. or more.	20	1	11	21	13	3	17	6	16	23	14	18	163

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*See Instruction 2 (*f*) on other side.

(*Signed*) ....

P.T.O.

3602

Section **A** for the entry of Daily Observations. COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Kept at Hallsteads Ullswater
in the County of Cumberland
Diameter of Funnel of Gauge .... in.
Height of top of Gauge above Ground .... ft .... in.
,, Ground ,, Sea Level .... ft.

Total + Days J.W.C. 26/1/34

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	0.45	0.16	0.25								0.20		1
2	1.71	0.03	0.12	0.06									2
3	0.38	0.47	0.16	0.05	0.45	0.30					0.17		3
4	1.30	0.47	0.34		0.06								4
5	0.29	0.38	0.71		0.10								5
6	0.02	0.28	0.40		0.50							0.02	6
7	0.11	0.10	0.03		0.05		0.35	0.01		0.40			7
8	0.11	0.03	0.18	0.35	0.12	0.14	0.22	0.04		0.38			8
9		0.96	0.01	0.01	0.17	0.05	0.62			0.95	0.04		9
10	0.07	0.15			0.02	0.20	0.21			0.31	0.01	0.01	10
11							0.24			0.91			11
12		0.01					0.18			0.32		0.05	12
13	0.02		0.05		0.21		0.21	0.25	0.11	0.04	0.18		13
14	0.77		0.20		0.07		0.02	0.03		0.53	1.45		14
15	0.09		0.40		0.02	0.05	0.25	0.23		0.11	0.18		15
16	0.11	0.04	0.40	0.21	0.17	0.26	0.02	0.10		0.01	0.04		16
17	0.11		0.19		0.02	0.72	0.01	0.15	0.21		0.30		17
18	0.01	0.04	0.16		0.30	0.15		0.33			0.06		18
19			0.56		0.10	0.20		0.04	0.25		0.48	0.05	19
20					0.01	0.01		0.11	0.02	0.01		0.05	20
21						0.02		0.14					21
22					0.31			0.03	0.02	0.14			22
23				0.10			0.02	0.10		0.01			23
24		0.04		0.30	0.26	0.05	0.03		0.28		0.02		24
25		0.06		0.04			0.01		0.66		0.02		25
26		1.00		0.24					0.07	0.24		0.03	26
27		1.35		0.02			0.53			0.08			27
28		0.10		0.04			0.14	1.06		0.27		0.03	28
29			0.04	0.04			0.01	0.07		0.18		0.04	29
30	0.05	×	0.01	0.85		0.01	0.77			0.20		0.18	30
31	2.73	×	0.05	×		×	0.05	0.26	×	0.86	×	0.02	31
TOTAL	8.33	5.67	4.26	2.31	2.94	2.16	3.89	2.97	1.62	5.02	3.15	0.48	YEAR'S TOTAL 42.80
*Days with ·01 in. or more.	17	18	19	13	18	13	19	16	8	19	13	10	183
*Days with ·04 in. or more.	14	15	16	11	14	10	12	13	6	16	10	5	142

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(Signed) ....

P.T.O.

*See Instruction 2 (*f*) on other side.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 3602

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

Kept at Hallsteads Ullswater

in the County of Cumberland

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

,, Ground ,, Sea Level .... ft.

Totals & Days

Val

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	0.09		0.24					0.33	0.08	0.01		0.10	1
2		0.02	0.16					0.58	0.23		0.09		2
3	0.41	0.01	0.05	0.08				0.03	0.12	0.40	0.13	0.34	3
4	0.46		0.25						0.04	0.58	0.01	0.84	4
5	0.21		0.11		0.19			0.25		0.13	0.01	0.18	5
6	0.52		0.12		0.81	0.16		0.10	0.19	0.81		0.05	6
7	0.65	0.18	0.06	0.13	1.15	0.23			0.19	0.11		0.56	7
8	0.01		0.01		0.02			0.01		0.31		1.15	8
9	0.56	0.01	0.02	0.26				0.10	0.02	0.10	0.53	0.45	9
10	0.61		0.16	0.09				0.51	0.12	0.11	0.09	0.03	10
11	1.27		0.08	0.78				0.14	0.02	0.12	0.05	0.26	11
12	0.11			0.81			0.05	0.15		0.02		0.21	12
13	0.75		0.01	0.15	0.14	0.20	1.10			0.07		0.26	13
14	0.37		0.69	0.03						0.50	0.02	0.45	14
15	0.55		0.22	0.10	0.60		0.02	0.07	0.10	0.28	0.01	0.14	15
16	0.91		0.85		0.22				0.02	0.02	0.04	0.06	16
17	0.27		0.16	0.25	0.29		0.38		0.64	0.01	0.04	0.75	17
18	0.46		0.20	0.02	0.46	0.36		0.05	0.26			0.80	18
19	0.01		0.10		0.54		0.03	0.25	0.16	0.21		0.07	19
20				0.11	0.27	0.12	0.02	0.31	0.20	0.02			20
21	0.04		0.05	0.01	0.02	0.35		0.84	0.13	0.46	0.01		21
22			0.04			0.30		0.21	0.59	0.25	0.02		22
23	0.01		0.10	0.30		τ	0.10	0.07	0.03	0.42			23
24		0.05			0.15	0.11			0.27	0.88		0.06	24
25	0.24	0.05	0.03	0.41	0.03		0.26		0.59	1.49	0.06	1.67	25
26	0.24			0.30		0.20	0.18		0.65	1.47		0.42	26
27	0.01			0.03		0.18	0.12	0.26	0.07	0.49	0.01	0.94	27
28	0.01			0.09		0.08	0.05	0.65	0.06	0.50		0.45	28
29							0.09	0.31	0.20	0.13		0.28	29
30	0.27	×					0.02		1.74	0.37		0.58	30
31	0.02	×		×		×	0.02	0.02	×		×	0.17	31
TOTAL	9.06	0.32	3.61	3.95	4.89	2.29	2.44	5.24	6.72	10.15	1.12	11.27	YEAR'S TOTAL 61.06
*Days with ·01 in. or more.	26	6	22	18	14	11	14	21	25	28	15	26	226
*Days with .04 in. or more.	20	3	18	14	11	11	9	18	21	23	8	25	181

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*See Instruction 2 (*f*) on other side,

(Signed) Jas Grant

P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 3602

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at Hullsteads Ullswater

in the County of Cumberland

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

,, Ground ,, Sea Level .... ft.

Totals

Days

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	0·38	0·30	0·07				0·41		1·32	0·02	0·10	0·35	1
2		0·05	0·08			0·03			0·59	0·32	0·14	0·06	2
3	0·09	0·43	0·03	0·14		0·19	0·10		0·14		0·48	0·16	3
4		0·15	0·09			0·16	0 28		0·02	0·19		0·10	4
5	0·02	0·66	0·12			0·12			0·02	0·03	0·15	0·13	5
6						0·78				0·03	0·17	0·26	6
7				0·33		0·52				0·80	0·05	0·24	7
8		0·01		0·28		0 37		0·14		0·26	0·21		8
9	0·02	0·01		1·03		0·01				0·66	0·05		9
10	0·23	0·13		0 68		0·07				0·29	0·05		10
11	0·82	0·32		0 05		0·43		0·20		0·20	0·37		11
12	0·01	0·22			0·31	0·30	0·01		0·10	0·03			12
13	0·14	0·06		0·03		0·10			0·82	0·38	0·34		13
14	0·01	0·25				0·48		0·02	0·86	0·23	0·24	0·15	14
15		1·40		0·28	0·13	0·08	0·35		1·02		0·14	0·22	15
16		1·23	0·12	0·64	0·31	0·10			0·78		0·50		16
17		0·04		0·17		0·27		0·12	0·32	0·18	0·33		17
18		0·38				0·01	0·03	0·05	0·86	1·20	0·01		18
19		1·14		0·13		0·08	0·72		0·20	0·46	0·17		19
20		0·97		0·64		0·05					0·02		20
21		0·23	0·22			0·02			0·70	0·14	0·63		21
22		0·10	0·20	0·60					0·08	0·33			22
23	0·10	0·14	0·23	0·07		0·03		0·16	0·08	0·04			23
24	0·35	0 29	0·06						0 51		0·01	0 59	24
25	0·42	0·01	0·05			0·24	0·02	0·02			0·35	0 33	25
26		0·02				0 33		1·16	0·12	0·28	0·01	0·20	26
27		0·47				0·02	0·15	0·01	0 20	1·42	0·56	0 04	27
28	0·04	0 14							0·33	0·35	0·07	0·35	28
29			0·10					0·20	0 32	0 86	0·11	0·06	29
30	0·02	×				0·23		0·10	0·86	0·70	1·06	0·76	30
31	0·27	×		×		×		0·05	×	0·51	×		31
TOTAL	2·92	9·15	1·37	5·07	0·75	5·02	2·07	2·23	10·25	9·91	5·72	4·00	YEAR'S TOTAL 58·46
*Days with ·01 in. or more.	15	26	12	14	3	25	9	12	22	25	26	16	205
*Days with .04 in. or more.	10	22	11	12	3	19	6	9	20	21	21	16	170

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*See Instruction 2 (*f*) on other side,

(Signed) ....

P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3602

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1936.

Kept at Hallsteads Ullswater

in the County of Cumberland

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

,, Ground ,, Sea Level .... ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	0.05	0.05	0.13				0.44	0.29	0.14		0.14	0.15		1
2		0.05		0.01		0.11		0.14	0.17		0.05	0.06		2
3	0.05					0.24		0.14	0.56		0.05	0.26		3
4	0.55		0.20				0.04	0.02	0.47		0.62	0.56		4
5	0.64	0.02	0.07			0.01		0.53	0.40		0.37	0.48		5
6	0.23							0.09	0.45		0.33			6
7					0.02		0.78		0.63		1.17	0.25		7
8	0.35		0.60						0.12		0.43			8
9	2.23		0.09				0.23	0.12	0.10	0.01	0.40			9
10	0.71						0.21		0.04		0.33			10
11				0.05		0.01	0.16	0.03	0.25		1.02	0.20		11
12				0.10	0.01	0.07	0.08	0.02	0.27		0.18	0.04		12
13				0.10	0.01		0.01	0.03	0.01	0.18	0.06	2.18		13
14				0.11	0.01	0.32		0.06	0.54	0.09	0.30	0.58		14
15	0.05		0.04	0.08	0.01	0.28		0.03		0.07	0.66	0.92		15
16		0.15		0.03	0.05	0.27	0.07			0.08	0.15	0.05		16
17	0.05	0.83	0.02	0.04	0.04	0.01	0.30	0.04		0.26	0.18	1.06		17
18		0.69		0.05			0.21	0.25		0.50				18
19		0.25		0.02			0.22	0.01				0.50		19
20	0.92	0.48	0.13	0.04		0.02	0.25			0.10		0.16		20
21	0.12	0.12	0.18			0.35				0.04		0.16		21
22	0.13	0.60	0.03			0.50	0.25			0.15				22
23		0.06	0.16	0.24			1.23			0.02				23
24	0.08		/	0.13	0.63		0.86	~~0.90~~	0.90	2.50				24
25	0.33						0.24	~~0.76~~	0.16	0.51				25
26	0.06	0.12		0.03				~~0.71~~	0.11	0.67				26
27	0.74	0.04	0.14	0.01						0.25				27
28	0.08	0.06	0.30				0.27			0.02	0.01			28
29	0.06	0.18	0.47		0.65	0.63				0.14	0.03	0.02		29
30	0.12	X	0.12			0.04	0.18				0.05	0.93		30
31	0.10	X	0.12	X	0.20	X	0.01		X		X	0.57		31
TOTAL	7.65	3.70	2.80	1.04	1.63	2.86	6.04	1.80	5.32	5.59	6.53	9.13	Year's Total. 54.09	✓
* Days with .01 in. or more.	21	15	16	15	10	14	20	15	17	17	21	19	200	✓
* Days with .04 in. or more.	21	14	14	10	5	10	18	9	16	14	17	18	166	

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† Spare column, no entries required.

(*Signed*) ....

[P.T.O.

* See Instruction 2 (f) on other side.

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Section A for the entry of Daily Observations

Station No. 3602

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1937

Kept at Halfsteads Ullswater

in the County of Cumberland

Diameter of Funnel of Gauge 6 in.

Height of top of Gauge above Ground 1 ft. ... in.

,, Ground ,, Sea Level ... ft.

Dop

LBB 21/1

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ✓

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	0.10		0.25				0.06		0.63	0.09		0.23		1
2	0.23	0.56		0.25		0.12	0.03		0.04	0.11		0.30		2
3	0.30	0.83	0.19	0.06	0.17	0.25	0.07					0.05		3
4	0.56	0.08	0.05	0.24	0.20	0.02	0.06	0.03	0.45		0.06	0.30		4
5	0.78		0.03	0.10	0.02	0.17	0.01		1.02			0.20		5
6	0.12		0 03	0.14	0.05	0.08			0.28	0.02				6
7		0.27		0.32	0.02	0.07			0.25					7
8	0.02	0.28		0.12		0.05	0.10	0.01	0.05					8
9	0.06	0.26		0.30	0.15		0.09	0.04						9
10	0.05	0.15	0.15	0.03	0.02							0.20		10
11	0.09		0.12		0.02				0.03			0.23		11
12	1.32	0.21	0.34		0.02	0 05		0.41	0.06			0.25		12
13		0 02				0.90		0.45				0.20		13
14		0.03					0.09	0.33	0.03			0.05		14
15	0.45	0.84	0.04	0.14				0.03	0.33					15
16	0.05	0.46	1.03	0.36	0.05			0.18	0.10					16
17	1.08	0.16	0.12	0.20		0.01		0.01	0 58					17
18		0.14	0.15	0.18		0.19		0.30			0.65			18
19		0.42	0.03	0.20	0.10	0.03			0.05		0.35			19
20	1.23	0.07		0.10	0.71	0.12	0.01		0.04	0.02	0.17	0.03		20
21	0 81	0.09	0.07	0.12	0.05		0.41			0.24		0 20		21
22	0.39	0 02	0.08		0.33	0.06	0.10			0.11				22
23	0.34				0.06		0.18			1.83		0.15		23
24	0.51	0 23	0.10		0 11				0.10	0.48	0.04	0.15		24
25	0 07	0.87	0.07					0.14		0.22				25
26		0 39	0.02		0 38					0.17		0.01		26
27		0.59		0 14			0.03		0.04	0.87				27
28	0.07					0.10				0.09		0.01		28
29	0.10					0.03				0 26	0.07			29
30	0.11	✗			0.01	0.03		0.16	0.10	0.05	0.18			30
31	0.31	✗		✗	0 07	✗		1.09	✗	0.15	✗			31
TOTAL	9.15	6.97	2.87	3.00	2.54	2.35	1.24	3.18	4.18	4.70	1.52	2.58	Year's Total 44.28	✓
* Days with .01 in. or more.	24	22	18	17	19	17	13	13	18	15	7	16	199	✓
* Days with .04 in. or more.	23	19	13	16	13	12	9	9	15	13	7	13	162	✓

† Spare column, no entries required.

(*Signed*) Jas Grant

* See Instruction 3 (f) on other side.

[P.T.O.

COPY FOR OFFICIAL USE

Section A for the entry of Daily Observations

Station No. 3602

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

Kept at Hallsteads Ullswater

in the County of Cumberland

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft.........in.

,, Ground ,, Sea Level ....ft.

Day

✓ W.S.R.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1		0·20	0·04	0·07		1·64	0·04		0·09	0·11	0·33	0·26		1
2				0·42		0·54			0·02	1·87	0·25	0·10		2
3		0·08	0·01	0·02		0·04	0·32		0·22	2·48	0·43	0·02		3
4	0·02	0·16		0 09		0·12	0·05		0·02	0·80	0·02	7		4
5	0·05	0·20				0 48	0·04		0·06	0·52		1·05		5
6	0·43						0·40	0·06		1·57	0·03	0·27		6
7	0·02						0·78	0·42		0·92	0·10	0·21		7
8	0·10	0·21				0·04	0·12			0·86		0·09		8
9		0·45	0·08			0·21	0·07			0·24	0·14	1·34		9
10	0·27		0·05			0·12	0·11			0·40		0·38		10
11	0·10	0·08			0·24		0·15			0·20	0·35	0·36		11
12	0·63				0·30		0·06		0·02	0·55	2·66	0·09		12
13	0·10	0·01			0·06		0·30		0·11	0·50	0·88	0·33		13
14	1·75		0·01		0·15		0·02	0·12		0·03				14
15	1·25		0·50		0·18			0·12	0·04	0·16		0·65		15
16	0·36		0·10		0·28			0·74	0·30	0·90	0·08			16
17	0·22		0·15		0·18			0·25	0·73	0·91				17
18			0·16					0·20		0·29	0·97	0·06		18
19	0·05		0·85			0·07		0·46	0·03		0·44	0·02		19
20	0·48		0·95					0·09	0 03			0·02		20
21			0·04	0·04	0·06	0·04		0·20			0·29			21
22					0·05	0·02		0·06	0·02		0·77			22
23	0·21		0·02		0·29	0·17			0·25		0·62			23
24	0·68	0·09	0·11			0·08		0·53	0·14	0·40	0·40	0·04		24
25	0·14	0·36	0·12		0·28		1·44			0·19	0·18	0·05		25
26	0·11	0·37	0·08	0·02	0·58	1·29	0·02			0·52	0·15	0·27		26
27	0·20	0·16	0·01		0·17	0·60	0·80		0·02	0·05	0·32			27
28	0·67	0·15	0·05		0·30	1·73	0·05		0·05		0·18	0·28		28
29	0·10		0·05		0 20	0 42	0·05		0·11		0·52	0·29		29
30	0·05	✕	0·01				0·80		0·11	0·12	0 86	0·08		30
31	0·82	✕	0 02	✕	0·45	✕	0·02		✕	0 90	✕	0·55		31
TOTAL	8·81	2·52	3·41	0·66	3·77	7·61	7·64	3·35	2·37	15·49	10·97	6·89	Year's Total 73·49	✓
* Days with .01 in. or more.	24	13	21	6	16	17	20	12	19	24	23	23	218	✓
* Days with .04 in. or more.	22	12	15	4	16	16	17	12	12	23	21	20	190	✓

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) ....

P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3602

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1939.

Kept at Hallsteads Ullswater

in the County of Cumberland

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

,, Ground ,, Sea Level .... ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	0.43		1.29				0.28	0.18		0.03		0.87		1
2	0.01		0.74				0.14	0.69	0.96			0.40		2
3			0.15				0.06	0.19	0.44	0.02	0.12	0.94		3
4		0.02	1.26		0.02		0.48		0.03	0.03		0.02		4
5		0.36	0.16		0.25		0.45	0.02		0.59	0.98			5
6	0.19	0.40	0.11		0.02		0.52		0.01	0.07	0.74			6
7	0.48	0.36	0.70	0.03			0.12				0.36			7
8	0.28	1.10	0.56	0.10			0.16	0.55		0.06	1.34	0.44		8
9	0.60	0.19					0.07	0.45	0.03	1.10		0.47		9
10	0.20	0.01	0.02			0.21		0.32	0.41	0.42		0.16		10
11	0.10	0.42	0.47			0.22		0.05		0.30	0.27			11
12	0.08	0.17		0.22		0.03	0.02		0.11					12
13	0.14			0.31	0.04		0.20		0.04		0.44			13
14	1.70			0.26	0.40	0.40	0.13			0.10				14
15	1.46		0.12	0.40		0.42	0.17			0.02	0.20			15
16	1.21	0.20	0.03	0.11			0.40			0.10	0.10			16
17	0.33	0.14	0.03	0.15		0.36	0.01							17
18	0.08	0.17				0.02	0.37				0.56			18
19	0.06					0.06	0.20							19
20	0.02	0.40			0.03	0.09		0.40						20
21	0.10	1.00		0.05				0.66						21
22	0.35	0.25	0.24	0.22			0.02				0.65			22
23	0.22	0.26	0.30	0.15		0.21	0.11				0.02			23
24	0.40	0.36	0.03	0.11		0.02	0.09				0.02			24
25	0.88	0.07		0.09							1.19			25
26		0.07						0.60	~~0.62~~	0.62	0.02	0.05		26
27		0.60				0.40	0.11		~~0.09~~	0.09	0.47			27
28		0.17	0.12	0.08		1.05	1.30	0.02			0.40			28
29						0.27	0.60		~~0.39~~	0.39	0.23			29
30		×				0.05	0.21		~~0.03~~	0.03	0.71			30
31		×		×		×	0.45	0.02	×		×			31
TOTAL	9.32	6.72	5.03	2.28	0.76	3.81	6.97	4.14	2.03	3.97	8.82	3.65	Year's Total. 57.50	n.p
* Days with .01 in. or more.	22	21	17	14	6	15	25	13	8	16	19	8	184	late
* Days with .04 in. or more.	20	19	13	13	3	12	22	10	5	11	16	7	151	

40-9999

† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(*Signed*) ....

P.T.O.

MATTERDALE

3602/3

MATTERDALE

COUNCIL SCHOOL

1937-40

780703

Section **A** for the entry

AIR MINIS

Station No. 3602/3

NFALL ORGANIZATION

FORM 1090

REG

937

Kept at Matterdale

in the County of Cumb

Diameter of Funnel of Gauge...

Height of top of Gauge above

,, Ground ,,

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	+	—	·35	—	—	·02	·195	·005	·10	·145	—	·38		1
2	·90	·10	—	·27	—	·035	—	—	—	—	—	·115		2
3	—	·40	·335	·02	·055	·415	·345	·015	—	—	—	✓		3
4	+	—	·135	·165	·36	·03	—	—	1·42	—	—	+		4
5	+	·09	·115	·125	·11	·18	·11	—	·30	—	—	·83		5
6	2·48	—	—	·12	·03	·07	—	—	·40	—	—	—		6
7	—	·23	—	·46	—	·02	—	—	—	—	·03	·07		7
8	—	·30	·04	·11	—	·12	·125	·055	—	—	—	·15		8
9	+	·34	—	·365	·10	·235	·285	—	—	—	—	—		9
10	·14	·39	—	—	·12	—	·015	—	—	—	—	·88		10
11	·19	—	—	·007	—	—	—	—	—	—	—	—		11
12	1·64	—	—	·02	·025	—	·02	·495	·145	—	—	—		12
13	—	·285	—	—	—	1·13	—	·79	·04	·04	—	·14		13
14	—	·14	—	·22	—	—	·15	·185	·095	·05	—	—		14
15	·71	·90	·07	—	—	—	·175	·01	·415	—	—	2·715		15
16	·10	·65	·855	—	·075	—	—	·42	·015	—	—	—		16
17	·93	·045	·165	·59	—	—	·025	·045	·765	—	—	—		17
18	—	·33	·31	—	—	·125	—	·445	—	—	+	—		18
19	—	·62	—	·375	·05	·22	—	·07	—	—	+	—		19
20	1·48	—	—	·11	·68	·22	·295	—	—	·015	1·03	—		20
21	1·43	·20	·12	·15	·13	—	·44	—	—	·26	—	·19		21
22	·62	—	·075	·16	·74	·125	·48	—	—	·14	·065	·27		22
23	—	—	·09	—	·06	—	·175	—	—	—	—	·045		23
24	·83	·125	·26	—	·05	—	—	—	—	1·82	—	·22		24
25	·11	·98	·065	—	·035	—	—	·23	—	·435	·06	—		25
26	—	—	·01	—	·445	—	·01	—	·155	·235	—	—		26
27	—	·59	·006	·135	—	—	·06	—	·085	·82	—	·015		27
28	—	—	—	—	—	·205	—	—	—	·065	—	·005		28
29	+	—	—	—	—	·035	—	—	—	·33	·04	—		29
30	·25		—	—	—	·095	—	·20	·14	·11	·25	·02		30
31	1·50		—		·115		—	1·00		·13		·005	55·93	31
TOTAL	13·31	6·715	~~2·941~~ 3·011	3·382	3·180	3·280	2·905 1	3·965 7	~~4·190~~ 4·075	4·595	1·475	6·050	Year's Total ~~56·968~~	Part
* Days with .01 in. or more.	20	18	16	16	17	17	16	13	15	14	~~6~~ 8	~~14~~ 17	~~182~~	187
* Days with .04 in. or more.	~~20~~ 19	18	15	14	14	12	12	11	13	13	~~5~~ 7	~~10~~ 13	~~157~~	161

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(Signed) David J. Fisher [P.T.O.

THE HEADMASTER

MATTERDALE

~~COPY FOR OFFICIAL USE~~

Section A for the entry of Daily Observations

Station No. 3602/3

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1937

Kept at Matterdale Council School
in the County of Cumberland
Diameter of Funnel of Gauge 5" in.
Height of top of Gauge above Ground 1 ft. 2 in.
,, Ground ,, Sea Level 1000 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

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Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	+	—	·35	—	—	·02	·195	·005	·10	·145	—	·38		1
2	·96	·10	—	·27	—	·035	—	—	—	—	—	·115		2
3	—	·40	·335	·02	·055	·415	·365	·015	—	—	—	✓		3
4	+	—	·135	·165	·36	·03	—	—	1·42	—	—	+		4
5	+	·09	·115	·125	·11	·18	·11	—	·30	—	—	·83		5
6	2·48	—	—	·12	·03	·07	—	—	·40	—	—	—		6
7	—	·23	—	·46	—	·02	—	—	—	—	·03	·07		7
8	—	·30	·04	·11	—	·12	·125	·055	—	—	—	·15		8
9	+	·34	—	·365	·10	·235	·285	—	—	—	—	—		9
10	·14	·39	—	—	·12	—	·015	—	—	—	—	·88		10
11	·19	—	—	·007	—	—	—	—	—	—	—	—		11
12	1·64	—	—	·02	·025	—	·02	·495	·145	—	—	—		12
13	—	·285	—	—	—	1·13	—	·79	·04	·04	—	·14		13
14	—	·14	—	·22	—	—	·15	·185	·095	·05	—	—		14
15	·71	·90	·07	—	—	—	·175	·01	·415	—	—	2·715		15
16	·10	·65	·855	—	·075	—	—	·42	·015	—	—	—		16
17	·93	·045	·165	·59	—	—	·025	·045	·765	—	—	—		17
18	—	·33	·31	—	—	·125	—	·445	—	—	+	—		18
19	—	·62	—	·375	·05	·22	—	·07	—	—	+	—		19
20	1·48	—	—	·11	·68	·22	·295	—	—	·015	1·03	—		20
21	1·43	·20	·12	·15	·13	—	·44	—	—	·26	—	·19		21
22	·62	—	·075	·16	·74	·125	·48	—	—	·14	·065	·27		22
23	—	—	·09	—	·06	—	·175	—	—	—	—	·045		23
24	·83	·125	·26	—	·05	—	—	—	—	1·82	—	·22		24
25	·11	·98	·065	—	·035	—	—	·23	—	·435	·06	—		25
26	—	—	·01	—	·445	—	·01	—	·155	·235	—	—		26
27	—	·59	·006	·135	—	—	·06	—	·085	·82	—	·015		27
28	—	—	—	—	—	·205	—	—	—	·065	—	·005		28
29	4	—	—	—	—	·035	—	—	—	·33	·04	—		29
30	·25	✕	—	—	—	·095	—	·20	·14	·11	·25	·02		30
31	1·50	✕	—	✕	·115	✕	—	1·00	✕	·13	✕	·005	55·93	31
TOTAL	13·31	6·715	~~2·94~~ 3·01	3·382	3·180	3·280	2·905 1	3·965 7	~~4·190~~ 4·075	4·595	1·475	6·050	Year's Total ~~51·968~~	Pent
* Days with .01 in. or more.	20	18	16	16	17	17	16	13	15	14	~~16~~ 8	~~14~~ 17	~~182~~	18
* Days with .04 in. or more.	~~20~~ 19	18	15	14	14	12	12	11	13	13	~~5~~ 7	~~10~~ 13	~~157~~	161

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*) David J Fish [P.T.O.

THE HEADMASTER

File No. 581450/36

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3602/3

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

Kept at Matterdale Council School

in the County of Cumberland

Diameter of Funnel of Gauge 5" in.

Height of top of Gauge above Ground 1 ft. 2 in.

„ Ground „ Sea Level 1000 ft.

ack.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

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Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	—	·26	·05	4	—	1·39	·03	—	·05	—	·35	·43		1
2	·01	·16	—	4 ·57	—	·46	·02	—	·26	2·19	·34	·19		2
3	·01	·16	—	—	—	·07	·37	—	·27	3·76	·47	—		3
4	—	·32	—	·23	—	4	·01	—	tr	·93	·09	·97		4
5	·12	—	—	·03	—	4	·05	—	·05	·69	—	·05		5
6	·59	·10	—	·04	—	4	·02	1·16	·13	1·64	·04	·44		6
7	✓	—	—	—	—	1·46	·94	·37	tr	·90	·23	·19		7
8	4 ·33	·31	—	—	—	—	·10	—	—	1·15	·27	·08		8
9	·06	·72	·30	—	·03	·31	·14	—	—	·26	tr	1·06		9
10	—	·04	·25	—	—	—	·31	—	—	—	—	·35		10
11	·26	·16	—	—	·25	—	·17	—	·02	4	·43	·26		11
12	·67	—	—	—	·49	·28	tr.	·01	tr	4 1·55	4·05	·16		12
13	—	—	—	—	·25	—	·26	·02	·23	·20	·65	·52		13
14	2·30	tr.	—	—	4	—	tr.	—	·01	·20	—	·05		14
15	1·15	—	·44	—	·41	—	tr.	·30	—	·88	—	·49		15
16	·74	—	·29	—	·41	—	—	·83	·37	·73	·10	—		16
17	—	—	·04	—	·17	—	·05	·32	·70	·50	·01	·02		17
18	·37	—	4	—	—	·02	—	·29	·01	—	1·06	·08		18
19	·06	—	4 1·45	—	—	tr.	·01	4	·02	—	·34	·02		19
20	·69	—	1·02	tr	—	—	—	·72	·06	—	·05	·03		20
21	—	—	tr.	—	·06	·04	—	·19	·16	—	·24	—		21
22	—	—	—	tr.	·04	—	—	—	—	—	·62	—		22
23	·46	—	—	—	·47	·23	tr.	·09	·09	—	·97	—		23
24	·60	—	·25	—	—	·15	—	·18	·20	·26	·39	—		24
25	·13	—	—	tr.	·17	·05	1·53	—	—	·18	·20	·02		25
26	·28	·64	—	—	·71	·76	·07	—	—	·52	·14	·08		26
27	·33	·89	·50	tr.	·24	1·01	·76	·13	—	·08	·52	tr.		27
28	·90	·11	·10	—	·35	1·63	·09	—	·06	—	·28	·25		28
29	·05	—	·14	—	·20	·53	1·72	—	·02	·12	·64	·45		29
30	·14		·01	tr.	—	·06	·41	—	·17	·18	·74	·09		30
31	·87		·11		·51		—	—		·84		·69		31
TOTAL	11·12	3·87	4·95	·87	4·76	8·45	7·06	4·61	2·88	17·76	13·22	6·97	Year's Total 86·52	✓
* Days with .01 in. or more.	~~23~~ 24	12	~~14~~ 15	~~4~~ 5	16	~~16~~ 18	20	~~13~~ 14	19	22 ✓	25	24	~~208~~	✓ 214
* Days with .04 in. or more.	21 ✓	12	~~13~~ 14	~~3~~ 4	15	~~15~~ 17	15	~~11~~ 12	14	22 ✓	24	20	~~185~~	✓ 190

* See Instruction 3 (f) on other side.

† Spare column, no entries required

(Signed) David J. Foster

P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3602/3

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at Matterdale Council School

in the County of Cumberland

Diameter of Funnel of Gauge 5" in.

Height of top of Gauge above Ground 1 ft. 2 in.

„ Ground „ Sea Level 1000 ft.

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Jan. 1, following

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	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·47	—	1·36	·01	—	—	·28	·26	·05	·05	—	·97		1
2	—	—	1·00	·01	—	—	·20	·60	·69	—	·07			2
3	—	—	·22	·06	—	—	·05	—	—	tr.	·14	1·31		3
4	—	—	—	—	·06	—	·44	—	—	tr.	·05	·23		4
5	—	—	·91	—	·29	—	·64	—	—	·60	·95	·01		5
6	·33	1·02	·14	—	·01	—	·61	x	—	·02	·45	—		6
7	·70	·22	·55	·25	—	—	·27	·20	tr.	—	·53	·04		7
8	1·57	1·46	·45	·11	—	—	x	x	·02	·09	1·66	·42		8
9	·77	·36	—	—	—	—	·27	x	x	·70	·08	·56		9
10	·21	—	—	—	—	—	—	1·63	·71	·58	·04	·09		10
11	·07	x	·48	—	—	·64	—	—	tr	·34	—	—		11
12	·08	1·66	—	·22	—	·02	—	—	·12	tr.	·16	—		12
13	·12	—	—	—	—	·02	·33	—	·03	tr.	·36	—		13
14	1·49	tr	·02	·25	·49	x	·44	—	—	·13	1·18	—		14
15	1·37	·07	·02	·83	·03	·86	·19	—	—	—	·22	—		15
16	1·11	·12	—	·12	—	—	·47	—	—	—	·06	—		16
17	·49	·35	—	·07	—	·48	tr	—	—	—	·01	—		17
18	·09	·24	—	—	—	tr	·17	—	—	—	·61	—		18
19	·11	—	·08	—	—	·03	·20	—	—	—	—	—		19
20	·07	·06	·03	—	·02	·08	·01	·09	—	—	—	—		20
21	·14	1·41	·41	·33	·01	—	—	·56	tr	·05	—	—		21
22	·36	·25	·27	·12	—	—	—	—	—	·14	·69	·01		22
23	·11	·41	·10	·17	—	·17	—	—	—	—	·05	—		23
24	·25	·55	·02	·25	—	—	—	tr	—	—	—	—		24
25	·13	·12	—	·13	—	·02	—	·02	—	—	·04	—		25
26	—	·05	—	—	·06	—	—	·45	—	·61	1·24	—		26
27	—	·81	·01	—	—	·46	x	·02	—	·16	·36	—		27
28	—	·19	·05	·08	—	·96	x	—	—	—	·51	—		28
29	tr	—	·10	—	—	·18	2·05	—	—	·28	·38	·10		29
30	—		—	—	—	·13	·61	—	—	·03	1·00	—		30
31	—		—		—		·13	tr		—		—		31
TOTAL	10·04	8·35	6·22	3·01	·97	4·05	7·36	3·83	1·62	3·78	10·84	3·74	Year's Total 63·81	
* Days with .01 in. or more.	21	~~18~~ 19	19	16	8	~~13~~ 14	~~18~~ 21	~~9~~ 12	~~6~~ 7	14	24	10	~~176~~	185
* Days with .04 in. or more.	21	~~18~~ 19	14	14	4	~~9~~ 10	~~17~~ 20	~~7~~ 10	~~4~~ 5	12	23	8	~~151~~	156

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) David J. Foster

[P.T.O.

File No 581450/36. **COPY FOR OFFICIAL USE**

Section **A** for the entry of Daily Observations

Station No. 3602/3

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 19~~3~~40

Kept at Matterdale Council School

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 2 in.

,, Ground ,, Sea Level 1000 ft.

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	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	—	—	—	·62	·01	—	—	—	·05	—	·28	·26		1
2	—	—	—	·09	—	—	·22	—	—	—	1·40	·14		2
3	—	—	—	·09	—	—	·21	—	—	TR	—	·09		3
4	—	—	—	·17	—	—	·06	—	·01	·15	TR	·60		4
5	—	—	—	—	·18	—	·07	—	—	1·07	·10	1·30		5
6	—	·44	—	·30	—	—	·13	✓	·01	·64	—	—		6
7	·07	·04	—	·22	·03	—	·05	·19x	·27	·25	·21	—		7
8	TR	—	·09	—	—	—	·06	·20	·02	x	·60	·53		8
9	—	—	·30	—	—	—	1·11	x	·34	x	·39	·46		9
10	—	—	·09	—	—	—	·94	x	—	x	x	·25		10
11	—	—	1·40	·16	—	TR	1·06	1·15	—	3·18	x	—		11
12	—	—	·80	—	—	—	·02	·03	1·57	—	x	—		12
13	—	—	·09	—	TR	—	·06	·09	·04	—	—	x		13
14	—	—	·15	·66	·04	—	·11	—	·23	TR	2·93	1·24x		14
15	—	—	—	·04	·05	—	·01	—	—	—	·36	·43		15
16	·04	—	·28	·02	—	—	·78	—	1·59	·42	·02	·34		16
17	—	—	—	—	—	—	·88	·14	1·12	·08	x	·06		17
18	·08	·05	1·16	·19	—	—	·21	·18	·60	—	·29	·77		18
19	·39	·09	·73	·19	—	—	·09	—	·63	—	·85	TR		19
20	—	—	·53	x	—	—	·20	·67	·20	·21	·40	—		20
21	—	—	x	·25x	—	—	TR	·04	·01	—	·08	—		21
22	—	·29	·32x	—	·02	·59	—	·11	·33	·06	—	—		22
23	—	—	x	·18	·09	·11	·08	—	·10	—	·37	—		23
24	·45	·38	—	·04	—	TR	·12	—	—	—	·02	—		24
25	—	·01	—	—	x	·15	TR	·04	—	—	·01	—		25
26	—	·23	—	—	·48x	—	—	·32	TR	—	·45	—		26
27	·69	·14	—	—	·03	—	—	—	—	—	·07	—		27
28	—	·25	—	—	·06	—	·05	·29	—	—	—	— x		28
29	—	—	·56	·02	TR	·11	·04	—	—	·04	—	— x		29
30	—	✕	·28	·01	—	—	—	—	·03	1·54	—	— x		30
31	—	✕	·79	✕	·01	✕	—	—	✕	—	✕	x 1·57		31
TOTAL	1·72	1·92	7·57	3·25	1·10	·96	6·56	3·45	4·15	7·64	8·83	7·98	Year's Total 58·13	"d"
* Days with .01 in. or more.	6	10	~~15~~ 17	~~14~~ 18	~~11~~ 12	4	23	15 ~~13~~	18	~~11~~ 13	~~18~~ 23	~~14~~ 18	~~160~~	177
* Days with .04 in. or more.	6	9	~~15~~ 17	~~14~~ 15	~~6~~ 7	4	21	13	~~14~~ 13	~~11~~ 13	~~15~~ 18	~~14~~ 18	~~142~~	154

* See Instruction 3 (f) on other side

† Spare column, no entries required.

(*Signed*) David J. Foster

[P.T.O.

✓ ~~Penrith~~ H ✗ WATERMILLOCK (C

3602/5

Section **A** for the entry of Dail … PY FOR OFFICIAL USE.

AIR MINISTRY.—M … ORGANIZATION.

FORM 1090.

REGISTE

Cumberland

3602/5

WATERMILLOCK

GATESGARTH

1931-37

780703

Kept at Gatesgarth … Watermillock (Meal Fell House)

in the County of Cumberland

Diameter of Funnel of Gauge 5

Height of top of Gauge above Ground

,, Ground ,, Sea Level … Meal Fell House)

THE MORNING MEASUREM

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Entries for Nov. 1-5 amended by F. Hudleston's letter encl. 27A [illegible] 766/97/27

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	–	–	–	·11	·02	·02	·01	–	·26	·07	1·24	–	1
2	–	·03	–	·25	·03	·68	·01	–	·83	·16	3·34	1·24	2
3	–	–	·02	·01	–	·01	·25	–	·69	·05	·10	·33	3
4	–	–	–	·40	–	–	–	–	·15	–	·03	·21	4
5	–	·07	–	–	·20	·59	·06	·06	–	–	+	1·14	5
6	–	·17	·01	–	–	·23	·68	–	·02	·64	·36	–	6
7	–	·13	–	–	–	·48	·06	·37	–	·25	·10	·12	7
8	·05	·14	–	–	·04	·01	·44	·10	–	–	·9	·06	8
9	·01	·50	·08	·08	–	·08	·07	·26	–	·59	·30	·05	9
10	·07	·33	·04	–	·66	·54	–	·03	–	–	·56	–	10
11	·50	1·14	–	·04	·01	·02	·26	·01	·30	–	·36	–	11
12	·04	·11	·02	·04	–	·02	·22	–	–	·11	·07	–	12
13	·19	–	·78	·03	·40	·05	·02	·28	–	–	·02	·01	13
14	·19	·04	·04	–	·28	1·85	·24	·05	–	–	·35	·19	14
15	·70	·42	–	·18	·04	·39	·07	·88	–	–	–	·02	15
16	·02	·02	–	·54	·15	·12	·12	·30	·05	–	–	–	16
17	·01	·12	–	·24	·15	·11	·13	–	–	–	·10	–	17
18	·36	–	–	·08	–	·27	·05	·06	–	–	·24	–	18
19	·05	·21	–	–	–	·14	·17	·99	·05	·02	·02	·03	19
20	–	·18	·02	–	–	·01	–	·01	–	–	·21	–	20
21	·14	·22	·09	·03	·15	·26	·03	·11	–	–	·01	–	21
22	·80	·31	·01	·13	·15	·11	·44	–	–	~~·04~~	·10	–	22
23	·48	·07	–	·33	·08	·21	–	–	–	·04	1·11	·41	23
24	·52	·32	–	·22	·20	–	·04	–	–	–	·31	·08	24
25	·26	·44	–	·21	·02	–	·01	–	–	–	·12	·08	25
26	·04	·01	–	·14	–	–	–	–	–	–	·34	·03	26
27	·27	·02	–	·07	·01	·02	1·05	–	–	·36	·17	·05	27
28	·31	·01	–	·08	·53	–	·17	–	–	–	–	·10	28
29	·10	–	·01	–	·14	–	·66	–	–	·66	·06	–	29
30	–	✗	–	·02	·42	–	–	–	·05	–	–	–	30
31	65	✗	–	✗	–	✗	·08	–	✗	·01	✗	·15	31
TOTAL	5·76	5·01	1·12	3·23	3·68	6·22	5·34	3·51	2·40	2·96	9·71	4·30	YEAR'S TOTAL 53·24
*Days with ·01 in. or more.	22	23	11	21	20	23	25	14	9	12	25	18	223
*Days with ·04 in. or more.	19	18	5	17	15	16	20	11	8	10	21	14	174

40-9999

*See Instruction 2 (*f*) on other side.

N.

(Signed) Mary A Spring-Rice

P.T.O.

~~PENRITH~~ H ~~WATERMILLOCK (GATESGARTH)~~ 128 3602/5

Section **A** for the entry of Daily Observations. COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1931.

Cumberland 1

Kept at Gatesgarth - Penrith

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft 3 in.

,, Ground ,, Sea Level 874 ft.

Footnote:- G from Watermillock (Mell Fell House)
Previously known as Watermillock (Mell Fell House)

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Entries for Nov. 1-5 amended by F. Huddleston's letter encl. 27A [illegible] 97/27

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	–	–	–	·11	·02	·02	·01	–	·26	·07	1·24	–	1
2	–	·03	–	·25	·03	·68	·01	–	·83	·16	3·34	1·24	2
3	–	–	·02	·01	–	·01	·25	–	·69	·05	·10	·33	3
4	–	–	–	·40	–	–	–	–	·15	–	·03	·21	4
5	–	·07	–	–	·20	·59	·06	·06	–	–	+	1·14	5
6	–	·17	·01	–	–	·23	·68	–	·02	·64	·36	–	6
7	–	·13	–	–	–	·48	·06	·37	–	·25	·10	·12	7
8	·05	·14	·	–	·04	·01	·44	·10	–	–	·9	·06	8
9	·01	·50	·08	·08	–	·08	·07	·26	–	·59	·30	·05	9
10	·07	·33	·04	–	·66	·54	–	·03	–	–	·56	–	10
11	·50	1·14	–	·04	·01	·02	·26	·01	·30	–	·36	–	11
12	·04	·11	·02	·04	–	·02	·22	–	–	·11	·07	–	12
13	·19	–	·78	·03	·40	·05	·02	·28	–	–	·02	·01	13
14	·19	·04	·04	–	·28	1·85	·24	·05	–	–	·35	·19	14
15	·70	·42	–	·18	·04	·39	·07	·88	–	–	–	·02	15
16	·02	·02	–	·54	·15	·12	·12	·30	·05	–	–	–	16
17	·01	·12	–	·24	·15	·11	·13	–	–	–	·10	–	17
18	·36	–	–	·08	–	·27	·05	·06	–	–	·24	–	18
19	·05	·21	–	–	–	·14	·17	·99	·05	·02	·02	·03	19
20	–	·18	·02	–	–	·01	–	·01	–	–	·21	–	20
21	·14	·22	·09	·03	·15	·26	·03	·11	–	–	·01	–	21
22	·80	·31	·01	·13	·15	·11	·44	–	–	~~·04~~	·10	–	22
23	·48	·07	–	·33	·08	·21	–	–	–	·04	1·11	·41	23
24	·52	·32	–	·22	·20	–	·04	–	–	–	·31	·08	24
25	·26	·44	–	·21	·02	–	·01	–	–	–	·12	·08	25
26	·04	·01	–	·14	–	–	–	–	–	–	·34	·03	26
27	·27	·02	–	·07	·01	·02	1·05	–	–	·36	·17	·05	27
28	·31	·01	–	·08	·53	–	·17	–	–	–	–	·10	28
29	·10	–	·01	–	·14	–	·66	–	–	·66	·06	–	29
30	–	✕	–	·02	·42	–	–	–	·05	–	–	–	30
31	65	✕	–	✕	–	✕	·08	–	✕	·01	✕	·15	31
TOTAL	5·76	5·01	1·12	3·23	3·68	6·22	5·34	3·51	2·40	2·96	9·71	4·30	YEAR'S TOTAL 53·24
*Days with ·01 in. or more.	22	23	11	21	20	23	25	14	9	12	25	18	223
*Days with ·04 in. or more.	19	18	5	17	15	16	20	11	8	10	21	14	174

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*See Instruction 2 (*f*) on other side.

N.

(Signed) Mary [illegible] Spring-Rice

[P.T.O.]

3602/5

Section **A** for the entry of Daily Observations.

COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

Kept at Gatesgarth

in the County of Cumberland

Station No 3602/5

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 3 in.

,, Ground ,, Sea Level 874 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·40	—	—	·26	·02	—	·04	·01	·90	·18	·22	·87	1
2	1·11	—	—	—	·17	—	·32	·03	·46	·22	·09	·33	2
3	·34	—	—	·05	—	—	·27	·03	·30	·04	·30	·57	3
4	·30	—	·04	—	·01	—	·73	·01	·05	·03	—	·05	4
5	·75	—	·37	·30	·05	—	·08	·04	·13	—	—	—	5
6	·27	—	·20	·69	·02	—	—	—	·02	·75	—	—	6
7	·11	—	·58	·37	·10	—	—	—	·20	·57	—	—	7
8	·01	—	—	·13	·01	·01	—	—	·43	·71	—	—	8
9	1·80	—	—	1·13	·10	—	—	—	·13	·22	—	—	9
10	·18	—	—	·35	—	—	—	—	·90	·20	—	—	10
11	·03	·05	—	·04	·24	·03	·58	—	·19	·01	·01	—	11
12	·90	—	·02	—	·54	·01	1·50	·02	04	·24	—	—	12
13	·22	·02	—	·40	·06	—	·32	—	1·01	·20	—	·06	13
14	·96	—	—	·09	—	—	—	—	—	·02	·02	·25	14
15	1·28	—	—	·06	·48	—	·01	—	—	·06	·07	·33	15
16	1·21	—	—	—	—	—	·11	—	—	·29	—	1·68	16
17	·08	—	—	—	—	—	—	·02	·03	·71	—	·64	17
18	·04	—	—	—	·37	—	—	—	—	—	—	·22	18
19	—	·01	·09	·22	·19	—	·04	—	—	·04	—	·12	19
20	·02	—	—	·43	·04	—	—	1·30	—	·32	·08	·08	20
21	·11	—	·40	·01	—	—	—	·14	—	1·11	·24	·30	21
22	·05	—	·21	·19	—	—	·22	—	—	·13	·80	·44	22
23	—	·02	—	·07	·04	—	·06	—	—	·04	·61	·23	23
24	·03	—	—	·03	·03	·02	·09	—	·22	—	·07	·02	24
25	—	—	—	·11	·23	·01	·15	—	·45	·45	·36	—	25
26	—	—	·02	·02	·14	·02	·55	—	·30	·27	·20	—	26
27	—	—	·58	·08	—	·77	·33	·02	—	·07	·16	·01	27
28	·01	—	·12	·08	·33	·02	·13	·06	—	·04	·01	·10	28
29	·06	—	1·12	·16	·03	·08	·50	·21	—	·64	·31	30	29
30	—	×	·05	·04	—	1·33	·35	·09	·43	·26	·16	—	30
31	·01	×	—	×	—	×	·03	·03	×	—	×	·27	31
TOTAL	10·28	·10	3·88	5·31	3·20	2·30	6·41	2·01	6·19	7·82	3·71	6·87	YEAR'S TOTAL 58·00
*Days with ·01 in. or more.	25	4	13	24	21	10	21	14	18	27	17	20	214
*Days with ·04 in. or more.	19	1	11	21	15	3	19	5	16	24	14	18	166

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*See Instruction 2 (*f*) on other side.

(Signed) Mary A Spring Rice. [P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3602/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Kept at Gatesgarth

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft 3 in.

,, Ground ,, Sea Level 874 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·28	·24	·22	—	—	—	—	·02	·05	—	·24	—	1
2	1·45	·05	·09	·11	—	·27	—	·01	—	—	—	—	2
3	·27	·53	·20	·18	·40	—	—	—	—	—	·16	—	3
4	·80	·34	·27	—	·35	—	—	—	—	—	·01	—	4
5	·20	·54	·62	—	·10	—	—	—	—	—	—	—	5
6	·04	·16	·23	—	·50	—	—	—	—	—	—	·02	6
7	·14	·25	·05	—	·12	—	·33	·06	—	·37	—	—	7
8	·27	·03	·11	·47	·09	·08	·21	·02	—	·39	·08	—	8
9	—	1·03	—	·02	·13	~~·08~~	·45	—	—	·90	—	—	9
10	·10	·15	—	—	·03	·22	·20	—	—	·25	—	—	10
11	—	—	—	·13	—	—	·19	—	—	1·01	—	·01	11
12	·01	—	—	—	—	·06	·31	—	·10	·01	—	·01	12
13	—	—	·05	—	·19	—	·04	·21	—	·28	·18	—	13
14	·61	—	·12	—	·10	—	·35	·04	—	·04	·94	—	14
15	·10	—	·34	—	·02	·08	—	·14	—	·61	·20	—	15
16	·08	·04	·33	·28	·14	·23	—	·06	—	·09	·03	·03	16
17	·12	—	·27	·03	·02	·83	—	·25	17	—	·22	·02	17
18	—	—	·16	—	—	·30	·02	·11	—	—	·04	·04	18
19	—	—	·44	·02	—	·22	—	·06	·19	—	·44	—	19
20	—	·09	·01	·02	·29	·04	—	·17	·06	—	—	—	20
21	—	—	—	—	·01	—	—	·21	—	—	—	·01	21
22	—	—	—	—	·30	—	—	·01	—	·13	—	—	22
23	—	—	—	·05	—	·05	—	·09	—	·01	—	—	23
24	—	·13 s	—	·28	·35	—	·02	·01	·04	·01	·02	·02	24
25	—	·66 s	—	·03	—	—	·09	—	·27	—	—	·02	25
26	—	·63 s	—	·17	—	—	—	—	·70	·23	—	—	26
27	—	·39	—	·02	—	—	·20	—	·08	·02	·01	—	27
28	—	·07	—	·03	—	—	·07	1·04	—	·35	—	·04	28
29	—		·03	·01	—	—	·03	·05	—	·16	—	·04	29
30	·04	×	·01	·56	—	·01	·50	·05	—	·17	—	·21	30
31	2·33	×	·04	×	—	×	·17	·35	×	·07	×	·02	31
TOTAL	6·84	5·33	3·59	2·41	3·14	2·39	3·18	2·96	1·66	5·10	2·57	·49	YEAR'S TOTAL 39·66
*Days with ·01 in. or more.	16	16	19	17	17	12	16	20	9	19	13	13	187
*Days with ·04 in. or more.	15	15	16	9	13	11	13	15	9	16	9	4	145

40-9999

*See Instruction 2 (*f*) on other side.

(Signed) Mary Spring Rice

P.T.O.

Section **A**

COPY FOR OFFICIAL USE.

for the entry of Daily Observations.

Station No. 3602/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

Kept at Gatesgarth

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft 3 in.

,, Ground ,, Sea Level 874 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·08	—	·15	—	—	—	—	·29	·06	—	—	·04		1
2	—	·03	·21	—	—	—	—	·74	·24	—	·09	·23		2
3	·39	·01	·05	—	·03	—	—	·01	·04	·39	·09	·12		3
4	·49	—	·12	·07	·05	—	—	—	·10	·60	·01	·85		4
5	·20	—	·22	—	·70	—	—	·11	—	·15	—	·21		5
6	·63	—	·10	·03	·72	·08	—	—	·18	·60	—	·45		6
7	·68	·13	·09	·20	—	·01	—	·24	—	·09	—	·70		7
8	—	—	·01	—	·02	·16	—	—	·12	·26	—	·52		8
9	·47	·02	—	·32	—	—	—	·01	·05	·10	·59	·07		9
10	·47	—	·12	·05	—	—	—	·58	·09	·18	·09	·26		10
11	·99	—	·05	·73	—	—	—	·18	·02	·01	·04	·23		11
12	·04	—	·01	·70	—	—	·05	·17	—	·11	—	·12		12
13	·48	—	—	·23	·13	—	1·14	·12	—	·14	—	·38		13
14	·54	—	·55	·02	·01	·39	—	·02	—	·28	—	·22		14
15	·47	—	·20	·09	·45	—	·03	—	·11	·28	·01	·05		15
16	·72	—	·39	—	·24	—	—	·05	·02	·01	·02	—		16
17	·19	—	·51	·19	·45	—	·38	—	·47	·03	·07	·45		17
18	·54	—	·25	·04	·42	·34	—	—	·26	·02	·01	·80		18
19	—	—	·10	·05	·38	·21	·04	·05	·18	·22	—	·06		19
20	·02	·02	—	·08	·31	·03	·04	·07	·19	·05	·01	—		20
21	·04	—	·05	·02	·01	·37	—	·32	·12	·36	—	—		21
22	—	—	·04	·01	—	·30	—	·64	·75	·22	·03	—		22
23	—	—	·10	·24	—	—	·16	·19	—	·46	·05	·04		23
24	—	·08	—	·22	·15	·10	·01	·16	·21	·66	·07	—		24
25	·17	·06	·05	·21	·05	—	·25	—	·46	1·36	·01	1·32		25
26	·17	—	—	·29	—	·18	·24	—	·69	1·20	·03	·35		26
27	—	—	—	·03	—	·20	·09	·15	·09	·39	—	·72		27
28	—	—	—	·10	—	·11	·23	·64	·06	·43	—	·47		28
29	—		—	—	—	—	·12	·35	·15	·14	—	·14		29
30	·42	×	—	—	—	—	—	·01	1·50	·43	—	·65		30
31	·03	×	—	×	—	×	·04	·01	×	—	×	·09		31
TOTAL	8·23	·35	3·37	3·92	4·12	2·48	2·82	5·11	6·14	9·17	1·22	9·44	Year's Total 56·37	
*Days with ·01 in. or more.	22	7	21	22	16	13	14	23	24	28	16	26	232	
*Days with ·04 in. or more.	20	3	19	17	12	11	12	18	22	24	8	26	192	

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*See Instruction 2 (*f*) on other side.

† Spare column, no entries required.

(*Signed*) Margt Spring Rice

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3602/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at Gatesgarth

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft 6 in.

,, Ground ,, Sea Level 374 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·60	·61	·06	—	—	—	·43	—	·91	·05	·08	·35		1
2	—	·04	·07	—	—	·03	·02	—	·81	·28	·13	·04		2
3	·09	·70	·09	·09	—	·27	·21	—	·08	—	·42	·13		3
4	—	·19	·06	·03	—	·23	·59	—	·17	·20	·01	·12		4
5	—	·64	·17	·04	—	·14	·01	—	·04	·05	·11	·19		5
6	—	·01	—	—	—	·46	—	—	—	·06	·30	—		6
7	—	—	—	·25	—	·54	—	—	—	·65	·07	·21		7
8	—	—	—	·20	—	·46	—	·09	—	·17	·03	·22		8
9	·03	·01	—	·93	—	·01	—	—	—	·70	·12	—		9
10	·19	·12	—	·96	—	·09	—	—	—	·24	·07	—		10
11	·56	·34	—	·07	—	·45	—	·23	—	·33	·29	—		11
12	·19	·20	—	—	—	·23	—	—	·11	·08	·01	—		12
13	·15	·13	—	·03	·30	·15	·05	—	·86	·28	·08	—		13
14	—	·15	—	—	·02	·35	—	·01	·65	—	·33	·09		14
15	—	1·12	—	·27	·14	·12	—	—	·83	·15	·07	·32		15
16	—	1·18	·11	·75	·31	·07	·18	·02	·59	·01	·33	—		16
17	—	·05	—	·23	·08	·24	—	·03	·42	·29	·42	—		17
18	—	·38	—	—	·01	·01	·05	·11	·68	1·18	·10	—		18
19	—	·90	—	·12	·01	·06	·59	—	·20	·62	·12	—		19
20	—	·91	—	·61	—	·05	·02	—	—	—	·07	—		20
21	—	·17	·18	—	—	·03	—	—	·82	·19	·03	·02		21
22	—	·09	·34	·32	—	—	—	—	·02	—	—	—		22
23	·12	·11	·13	·07	—	·03	—	·20	·02	·25	—	—		23
24	·48	·18	·04	·01	—	—	—	—	·55	·06	—	·35		24
25	·20	—	·04	—	—	—	·01	·01	—	—	·34	·16		25
26	·08	·08	—	—	—	·56	—	1·18	·13	·40	·04	·30		26
27	—	·28	—	—	—	·02	—	·01	·13	1·97	·42	·16		27
28	·02	·16	—	—	—	—	·26	—	·22	·63	·22	—		28
29	·03	×	·11	—	—	·01	—	·13	·32	·55	·07	·26		29
30	·01	×	—	·01	—	·24	—	·23	·83	1·17	·59	·04		30
31	·17	×	·01	×	—	×	—	·02	×	·55	×	·54		31
TOTAL	2·92	8·75	1·41	4·99	·87	4·85	2·72	2·27	9·39	10·11	5·67	3·50	Year's Total. 57·98	
* Days with .01 in. or more.	15	25	13	18	7	25	12	13	22	26	27	17	220	
* Days with .04 in. or more.	11	23	12	14	4	18	8	7	20	25	23	17	162	

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† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(*Signed*) Mary Spring Rice

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3602/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1936.

Kept at Gatesgarth

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft 6 in.

,, Ground ,, Sea Level 874 ft.

Totals

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·20	·10	·14	·01	—	·02	·59	·25	·17	—	·14	·16		1
2	—	·09	—	—	—	·08	·06	·10	·24	—	—	·09		2
3	·02	—	—	—	—	·28	—	·25	·58	—	·07	·29		3
4	·42	—	·13	—	—	—	·08	·05	·26	—	·62	·75		4
5	·50	·04	·13	—	—	·01	—	·49	·37	—	·42	·42		5
6	·12	—	·01	—	—	—	·69	·22	·63	—	·25	—		6
7	—	—	·19	—	—	—	·01	—	·76	—	·83	·38		7
8	·38	—	·38	—	—	·01	—	—	—	—	·30	—		8
9	1·78	—	·14	—	—	—	·04	·04	·24	·02	·46	·01		9
10	·75	—	·01	—	—	—	·21	—	·05	·01	·47	—		10
11	—	—	—	·08	—	·05	·21	·06	·30	—	·75	·16		11
12	—	—	—	·13	—	·05	·12	·04	·21	—	·30	·02		12
13	—	—	—	·13	·01	—	·02	·02	·01	·16	·08	1·96		13
14	—	—	—	·14	—	·26	·01	·05	·79	·08	·27	·85		14
15	·05	—	·04	·08	—	·24	·04	·07	—	·11	·55	·97		15
16	—	·05	·04	·04	·04	·27	·02	—	—	·15	·33	·07		16
17	·08	·73	—	·04	·05	·01	·64	·08	—	·46	·20	1·22		17
18	—	·54	—	·08	—	—	·20	·22	—	·43	—	·03		18
19	·16	·29	—	—	·01	—	·21	·04	—	·23	—	·25		19
20	·42	·36	·10	—	—	·01	·14	—	—	·06	—	·25		20
21	·07	·20	·17	·02	—	·45	—	—	—	·05	—	·28		21
22	·12	·60	·02	—	·02	·43	·28	—	—	·03	—	—		22
23	·01	·14	·11	·05	—	·01	·89	·01	—	·09	—	—		23
24	·07	—	—	·23	·80	—	1·25	—	·75	2·11	·01	—		24
25	·32	—	—	·07	—	—	·32	—	·25	·56	—	—		25
26	·40	·13	·11	·01	—	—	·01	—	·08	·56	—	—		26
27	·53	—	·05	—	—	—	—	—	·05	·32	—	—		27
28	·19	·09	·11	·01	·02	—	·36	—	—	—	—	—		28
29	·04	·17	·62	—	·60	·75	·01	—	—	·17	·13	·02		29
30	·06	×	·13	—	·02	·07	·20	—	—	·17	·10	·91		30
31	·11	×	·11	×	·23	×	·04	—	×	·01	×	·70		31
TOTAL	6·80	3·53	2·74	1·12	1·80	3·00	6·65	1·99	5·74	5·78	6·28	9·79	Year's Total. 55·22	✓
* Days with .01 in. or more.	23	14	20	15	10	17	26	16	17	20	19	21	218	✓
* Days with .04 in. or more.	21	14	17	11	5	11	22	14	16	16	18	17	182	✓

✓

40-9999

† Spare column, no entries required.

(*Signed*) Mary Spring Rice [P.T.O.

* See Instruction 2 (f) on other side.

FORM 1090. **B** Monthly Summary. **C** Particulars of Station. M 3602/5

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1937

At Gatesgarth, Mell Fell.

In the County of Cumberland

Rain Gauge
- Diameter of Funnel........................in.
- *Height of Top above Ground*.........*ft*.............*in.*
- *Height of Ground above Sea Level*.................*ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	8·16				
FEB.	6·37				
MAR.	2·41				
APRIL	2·75				
MAY	2·83				
JUNE					
JULY					
AUG.					
SEPT.					
OCT.					
NOV.					
DEC.					
TOTAL					

Signature per Miss Marshall.

* See Instruction 3 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

....

Hour of observation by the clock—in Winter........................in Summer..................

Nearest Railway Station.............................. Distance.................Direction from gauge.............

Nearest Parish Church at.............................. Distance.................Direction from gauge.............

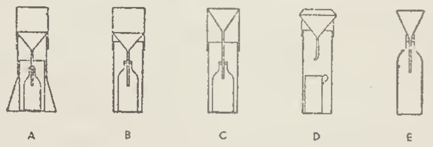
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.. Distance.............. Direction...........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B.**)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Observer died June '37

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(*a*) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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3604

Section **A** **for the entry**
AIR MINIST

3604

—

HUTTON JOHN.

780703

COPY FOR OFFICIAL USE.
NFALL ORGANIZATION.

FORM 1090.

REGI 931.

Kept at Hutton John

in the County of Cumb

Diameter of Funnel of Gauge

Height of top of Gauge above Gr

,, Ground ,, Se

THE MORNING MEA **DAY.**

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following
×

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	tr	0.01	—	0.12	0.01	0.02	0.02	tr	0.23	0.03	—	tr	1
2	tr	0.01	—	0.20	tr	0.66	0.02	—	0.47	0.10	1.22	1.23	2
3	—	0.03	—	—	—	0.01	0.13	—	0.57	0.04	3.09	0.26	3
4	tr	0.02	—	0.32	0.12	—	tr	—	0.17	tr	0.03	0.17	4
5	—	0.02	—	tr	0.13	0.39	0.08	0.07	tr	—	0.02	1.08	5
6	—	0.11	0.01	—	tr	0.19	0.46	—	0.02	0.47	0.34	0.01	6
7	—	0.16	0.02	tr	0.01	0.39	0.02	0.33	—	0.19	0.08	0.22	7
8	0.05	0.10	0.02	0.01	0.03	—	0.48	0.06	tr	0.11	0.10	0.02	8
9	0.05	0.36	0.06	0.09	tr	0.03	0.06	0.25	—	0.54	0.22	0.02	9
10	0.06	0.28	0.02	—	0.38	0.32	—	0.05	—	tr	0.37	tr	10
11	0.36	1.22	tr	0.11	tr	0.03	0.21	—	0.14	0.01	0.51	—	11
12	0.04	0.03	0.02	0.01	tr	0.07	0.25	—	0.01	0.12	0.02	—	12
13	tr	tr	0.62	tr	0.28	0.04	0.03	tr	—	tr	0.02	0.01	13
14	0.11	0.03	0.02	—	0.12	1.87	0.23	0.17	tr	—	0.34	0.13	14
15	0.15	0.47	tr	0.26	0.01	0.29	0.04	0.14	—	—	0.01	0.01	15
16	1.25	0.09	—	0.43	0.05	0.07	0.11	1.03	0.07	—	—	—	16
17	0.01	0.06	—	0.22	0.34	0.19	0.15	0.23	tr	—	0.12	—	17
18	0.24	tr	—	0.02	tr	0.15	0.05	0.08	0.01	tr	0.33	tr	18
19	0.09	0.17	—	tr	—	0.02	0.09	0.65	0.03	0.02	0.03	0.01	19
20	tr	0.18	0.05	—	—	0.02	tr	0.02	—	—	0.20	tr	20
21	0.10	0.31	0.06	0.01	0.11	0.23	0.02	0.13	—	—	0.01	tr	21
22	0.90	0.31	0.01	0.11	0.18	0.10	0.18	tr	—	—	0.10	tr	22
23	0.71	tr	—	0.27	0.09	0.15	tr	—	—	0.04	0.78	0.40	23
24	0.57	0.32	—	0.16	0.22	tr	0.02	—	—	—	0.21	0.06	24
25	0.24	0.54	—	0.21	tr	—	tr	—	—	tr	0.09	0.04	25
26	0.05	tr	—	0.23	—	—	—	—	—	tr	0.36	0.01	26
27	0.27	0.04	—	0.06	tr	0.04	0.60	—	—	0.25	0.13	0.10	27
28	0.31	0.02	—	0.12	0.48	tr	0.17	—	0.01	tr	tr	0.08	28
29	0.07	×	0.01	tr	0.09	—	0.67	—	—	0.51	0.06	0.02	29
30	tr	×	—	0.03	0.33	tr	tr	—	0.02	tr	tr	tr	30
31	0.60	×	—	×	tr	×	0.09	—	×	0.01	×	0.11	31
TOTAL	6.23	4.89	0.92	2.99	2.98	5.28	4.18	3.21	1.75	2.44	8.79	3.99	YEAR'S TOTAL 47..65
*Days with ·01 in. or more.	21.	24	12	20	18	22	24	13	12	14	26	20	226
*Days with ·04 in. or more.	20.	16	4	15	14	16	18	12	6	10	19	12	162

40-9999

(Signed) J. Hudson P.T.O.

1-1-1932.

*See Instruction 2 (*f*) on other side.

3604

Section **A** for the entry ~~of Daily Observations.~~ **COPY FOR OFFICIAL USE.**

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1931.

Kept at Hutton John, Penrith

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft — in.

,, Ground ,, Sea Level 688 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following X

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	tr	0.01	—	0.12	0.07	0.02	0.02	tr	0.23	0.03	—	tr	1
2	tr	0.01	—	0.20	tr	0.66	0.02	—	0.47	0.10	1.22	1.23	2
3	—	0.03	—	—	—	0.01	0.13	—	0.57	0.04	3.09	0.26	3
4	tr	0.02	—	0.32	0.12	—	tr	—	0.17	tr	0.03	0.17	4
5	—	0.02	—	tr	0.13	0.39	0.08	0.09	tr	—	0.02	1.08	5
6	—	0.11	0.01	—	tr	0.19	0.46	—	0.02	0.47	0.34	0.01	6
7	—	0.16	0.02	tr	0.01	0.39	0.02	0.33	—	0.19	0.08	0.22	7
8	0.05	0.10	0.02	0.01	0.03	—	0.48	0.06	tr	0.11	0.10	0.02	8
9	0.05	0.36	0.06	0.09	tr	0.03	0.06	0.25	—	0.54	0.22	0.02	9
10	0.06	0.28	0.02	—	0.38	0.32	—	0.05	—	tr	0.37	tr	10
11	0.36	1.22	tr	0.11	tr	0.03	0.21	—	0.14	0.01	0.51	—	11
12	0.04	0.03	0.02	0.01	tr	0.07	0.25	—	0.01	0.12	0.02	—	12
13	tr	tr	0.62	tr	0.28	0.04	0.03	tr	—	tr	0.02	0.01	13
14	0.11	0.03	0.02	—	0.12	1.87	0.23	0.17	tr	—	0.34	0.13	14
15	0.15	0.47	tr	0.26	0.01	0.29	0.04	0.14	—	—	0.01	0.01	15
16	1.25	0.09	—	0.43	0.05	0.07	0.11	1.03	0.07	—	—	—	16
17	0.01	0.06	—	0.22	0.34	0.19	0.15	0.23	tr	—	0.12	—	17
18	0.24	tr	—	0.02	tr	0.15	0.05	0.08	0.01	tr	0.33	tr	18
19	0.09	0.17	—	tr	—	0.02	0.09	0.65	0.03	0.02	0.03	0.01	19
20	tr	0.18	0.05	—	—	0.02	tr	0.02	—	—	0.20	tr	20
21	0.10	0.31	0.06	0.01	0.11	0.23	0.02	0.13	—	—	0.01	tr	21
22	0.90	0.31	0.01	0.11	0.18	0.10	0.18	tr	—	—	0.10	tr	22
23	0.71	tr	—	0.27	0.09	0.15	tr	—	—	0.04	0.78	0.40	23
24	0.57	0.32	—	0.16	0.22	tr	0.02	—	—	—	0.21	0.06	24
25	0.24	0.54	—	0.21	tr	—	tr	—	—	tr	0.09	0.04	25
26	0.05	tr	—	0.23	—	—	—	—	—	tr	0.36	0.01	26
27	0.27	0.04	—	0.06	tr	0.04	0.60	—	—	0.25	0.13	0.10	27
28	0.31	0.02	—	0.12	0.48	tr	0.17	—	0.01	tr	tr	0.08	28
29	0.07	X	0.01	tr	0.09	—	0.67	—	—	0.51	0.06	0.02	29
30	tr	X	—	0.03	0.33	tr	tr	—	0.02	tr	tr	tr	30
31	0.60	X	—	X	tr	X	0.09	—	X	0.01	X	0.11	31
TOTAL	6.23	4.89	0.92	2.99	2.98	5.28	4.18	3.21	1.75	2.44	8.79	3.99	YEAR'S TOTAL 47.65
*Days with ·01 in. or more.	21.	24	12	20	18	22	24	13	12	14	26	20	226
*Days with ·04 in. or more.	20.	16	4	15	14	16	18	12	6	10	19	12	162

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*See Instruction 2 (*f*) on other side.

(Signed) .... P.T.O.

1-1-1932.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3604

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

Kept at Hutton John, Penrith

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft — in.

,, Ground ,, Sea Level 685 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	0.53	tr	—	0.22	—	—	0.02	0.01	1.15	0.13	0.17	0.79	1
2	1.88	tr	—	0.05	0.09	—	0.20	0.02	0.46	0.09	0.15	0.34	2
3	0.96	tr	—	tr	—	—	0.12	0.04	0.16	0.01	0.17	0.33	3
4	0.29	—	0.03	tr	0.01	—	0.53	0.01	0.02	0.02	tr	0.10	4
5	0.66	—	0.43	0.33	0.03	—	—	0.01	0.07	—	—	—	5
6	0.33	—	0.19	0.46	0.02	—	—	—	0.03	0.53	—	0.01	6
7	0.06	—	0.63	0.20	0.04	tr	—	—	0.12	0.51	—	—	7
8	0.03	—	tr	0.16	tr	—	—	—	0.34	0.79	tr	tr	8
9	1.75	0.02	tr	1.11	0.08	—	—	—	0.09	0.25	—	—	9
10	0.21	0.01	0.03	0.31	tr	—	—	—	0.73	0.19	tr	—	10
11	0.02	0.01	—	0.08	0.22	0.03	0.62	0.04	0.11	0.01	tr	—	11
12	0.76	—	0.01	—	0.36	tr	1.62	0.01	0.06	0.33	—	—	12
13	0.24	0.01	—	0.35	0.05	—	0.01	0.01	0.95	0.15	—	0.05	13
14	1.12	tr	—	0.05	tr	—	—	—	tr	0.01	0.01	0.31	14
15	1.04	—	—	0.04	0.45	—	tr	—	—	0.06	0.04	0.46	15
16	1.24	—	—	tr	tr	—	0.01	tr	—	0.23	tr	1.37	16
17	0.03	tr	—	—	0.31	—	0.08	tr	0.04	0.68	—	0.36	17
18	0.03	tr	—	—	0.19	—	—	tr	—	tr	—	0.16	18
19	0.01	—	0.10	0.29	0.13	—	0.04	—	—	0.04	—	0.09	19
20	tr	—	tr	0.23	0.02	—	0.01	1.31	—	0.22	0.07	0.09	20
21	0.06	—	0.51	0.08	—	—	0.08	0.13	—	1.03	0.11	0.28	21
22	0.02	—	0.15	0.20	—	—	0.12	tr	—	0.12	0.84	0.42	22
23	tr	0.01	tr	0.14	0.02	—	0.06	—	0.01	0.07	0.49	0.22	23
24	0.04	tr	—	0.02	0.01	0.02	0.14	—	0.27	tr	0.09	0.02	24
25	tr	—	—	0.11	0.15	0.01	0.10	—	0.20	0.49	0.47	tr	25
26	tr	—	0.01	tr	0.18	tr	0.61	tr	0.30	0.17	0.17	tr	26
27	tr	—	0.55	0.03	tr	0.87	0.39	—	tr	tr	0.16	0.02	27
28	tr	—	0.12	0.06	0.34	0.01	0.08	tr	—	0.04	0.02	0.06	28
29	0.02	—	1.03	0.09	0.04	0.05	0.44	0.19	tr	0.62	0.32	0.26	29
30	tr	×	0.10	0.05	—	1.10	0.29	0.10	0.46	0.29	0.11	0.01	30
31	0.01	×	—	×	—	×	0.02	0.01	×	tr	×	0.19	31
TOTAL	11.34	0.06	3.89	4.68	2.74	2.09	5.59	1.89	5.57	7.08	3.39	5.94	YEAR'S TOTAL 54.26
*Days with ·01 in. or more.	25	5	14	23	20	7	22	13	19	26	16	22	212
*Days with .04 in. or more.	17	none	9	21	14	3	17	6	16	22	14	18	157

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*See Instruction 2 (*f*) on other side.

(*Signed*) F. Nicholson (2 Jany 1933)

P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. ~~3604~~ 3604

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Kept at Hutton John. Penrith

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. — in.

,, Ground ,, Sea Level 688 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ✕

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	0.33	0.11	0.14	—	tr	—	—	—	0.02	—	0.24	—		1
2	1.66	0.03	0.04	0.11	—	0.19	—	—	tr	—	—	tr		2
3	0.22	0.74	0.12	0.15	0.29	—	—	—	—	—	0.11	—		3
4	1.01	0.71	0.44	tr	0.24	—	—	—	—	—	0.01	—		4
5	0.32	0.90	0.60	—	0.07	—	—	—	—	—	—	—		5
6	0.02	0.15	0.23	—	0.61	—	—	—	—	—	tr	0.01		6
7	0.11	0.34	0.06	—	0.10	—	0.31	0.06	—	0.37	—	tr		7
8	0.21	0.04	0.12	0.44	0.05	0.04	0.21	0.04	—	0.18	—	—		8
9	tr	0.84	tr	0.02	0.11	—	0.32	—	—	1.17	0.06	—		9
10	0.16	0.01	tr	—	0.01	0.21	0.21	—	—	0.19	tr	0.02		10
11	tr	tr	—	0.07	0.01	tr	0.17	—	—	0.49	tr	tr		11
12	0.01	tr	—	tr	—	0.04	0.14	—	—	0.01	—	0.02		12
13	0.01	—	0.06	—	0.18	—	0.32	0.23	0.05	0.21	0.21	tr		13
14	0.75	—	0.11	—	0.10	—	0.02	0.02	—	0.02	0.55	—		14
15	0.05	—	0.33	—	0.02	0.05	0.31	0.11	—	0.65	0.12	—		15
16	—	0.01	0.38	0.26	0.11	0.13	—	0.02	—	0.03	0.04	—		16
17	0.16	—	0.29	0.01	0.02	0.85	—	0.08	0.11	0.01	0.11	0.02		17
18	tr	—	0.16	—	—	0.42	0.04	0.02	—	—	0.03	0.06		18
19	—	0.06	0.25	0.01	—	0.11	—	0.01	0.17	—	0.37	0.01		19
20	—	0.04	tr	tr	0.25	0.02	—	0.19	0.01	—	tr	tr		20
21	—	0.01	—	—	tr	—	—	0.15	—	tr	0.01	tr		21
22	—	—	—	—	0.28	—	—	tr	—	0.10	—	—		22
23	—	tr	—	0.04	tr	—	—	0.12	0.04	0.01	—	—		23
24	—		—	0.36	0.32	0.05	0.02	0.01	0.24	0.01	0.02	0.05		24
25	—	Snow +	—	0.02	tr	—	—	tr	0.76	—	tr	0.02		25
26	—	Blizzard	—	0.09	—	—	—	—	0.04	0.24	—	tr		26
27	—	1.91	—	0.01	—	—	0.10	—	—	0.08	—	—		27
28	—	0.09	—	0.01	—	—	0.03	0.97	—	0.26	tr	0.03		28
29	—	✕	0.04	0.10	0.03	—	0.03	0.08	—	0.14	—	0.04		29
30	0.05	✕	0.01	0.16	—	0.01	0.46	tr	—	0.13	—	0.19		30
31	2.08	✕	0.03	✕	—	✕	0.08	0.32	✕	0.05	✕	0.02		31
TOTAL	7.15	5.99	3.39	1.86	2.80	2.12	2.83	2.43	1.44	4.33	1.88	0.49	Year's Total 36.71	
*Days with ·01 in. or more.	16	19	18	16	18	12	16	16	9	20	13	12	185	
*Days with .04 in. or more.	13	16	16	10	13	10	12	11	6	14	9	4	134	

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*See Instruction 2 (*f*) on other side.

† Spare column, no entries required.

(*Signed*) 7. [illegible] (3-1-1934)

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3604

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

Kept at Hutton John. (Penrith)

in the County of Cumberland.

Diameter of Funnel of Gauge 5 in. Type "C"

Height of top of Gauge above Ground 1 ft — in.

,, Ground ,, Sea Level 688 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	0.06	—	0.16	—	tr	—	—	0.24	0.02	tr	—	0.07		1
2	0.01	0.01	0.16	—	—	—	—	0.35	0.18	tr	0.08	0.24		2
3	0.34	0.01	0.04	tr	0.01	—	—	tr	0.01	0.32	0.10	0.19		3
4	0.48	tr	0.08	0.05	0.10	—	—	—	0.18	0.50	0.01	0.67		4
5	0.11	—	0.29	tr	0.45	—	—	0.21	tr	0.27	—	0.22		5
6	0.33	0.01	0.13	0.02	0.90	0.07	—	0.07	0.14	0.44	tr	0.01		6
7	0.85	0.21	0.08	0.20	tr	[illegible]	—	tr	tr	0.03	—	0.40		7
8	tr	0.01	0.01	tr	0.02	0.19	—	0.03	0.09	0.33	—	1.23	— 2 days	8
9	0.37	0.03	0.01	0.38	—	tr	—	0.16	tr	0.25	0.51			9
10	0.35	tr	0.09	0.02	—	~~tr~~	—	0.45	0.07	0.16	0.08	0.03		10
11	1.11	tr	0.04	0.73	—	—	—	0.12	tr	0.02	0.04	0.15		11
12	0.05	tr	0.01	0.59	—	—	0.09	0.20	—	0.09	tr	0.15		12
13	0.27	tr	0.01	0.17	0.13	—	1.40	tr	tr	0.18	tr	0.09		13
14	0.57	tr	0.53	0.01	0.02	0.46	—	—	tr	0.52	0.02	0.23		14
15	0.44	0.01	0.20	0.08	0.45	tr	0.01	0.04	0.16	0.30	0.02	0.16		15
16	0.67	tr	0.88	tr	0.28	—	—	—	0.01	0.02	0.01	0.05		16
17	0.18	—	0.15	0.13	0.53	—	0.35	—	0.38	0.02	0.05	0.44		17
18	0.39	—	0.07	0.04	0.35	0.24	—	0.08	0.11	0.01	0.01	0.69		18
19	tr	tr	0.12	0.03	0.31	0.26	0.03	0.08	0.12	0.27	tr	0.06		19
20	0.03	tr	0.01	0.06	0.29	0.04	0.02	0.26	0.11	0.02	0.02	tr		20
21	0.04	tr	0.07	tr	0.09	0.44	—	0.56	0.10	0.28	0.01	—		21
22	tr	—	0.03	0.01	tr	0.27	tr	0.24	0.51	0.35	0.07	—		22
23	0.01	tr	0.09	0.30	—	tr	0.13	0.14	tr	0.52	0.13	0.02		23
24	—	0.07	tr	0.19	0.15	0.07	0.01	—	0.29	0.60	tr	tr		24
25	0.12	0.08	0.02	0.31	0.04	tr	0.21	—	0.39	1.25	0.08	0.77		25
26	0.12	tr	0.02	0.19	tr	0.24	0.17	—	0.50	0.96	tr	0.27		26
27	tr	—	tr	0.04	—	0.29	0.14	0.13	0.06	0.40	0.01	0.85		27
28	tr	—	—	0.11	—	0.09	0.18	0.49	0.04	0.20	—	0.52		28
29	0.08	×	—	tr	—	~~tr~~	0.10	0.29	0.09	0.11	tr	0.07		29
30	0.28	×	—	—	—	—	—	tr	1.26	0.43	—	0.84		30
31	0.02	×	—	×	—	×	0.04	—	×	—	×	0.13		31
TOTAL	7.26	0.44	3.20	3.66	4.04	2.64	2.88	4.14	4.82	8.85	1.25	8.57	Year's Total 51.75	
*Days with ·01 in. or more.	25	9	25	21	16	12	14	19	22	28	17	27	235	
*Days with ·04 in. or more.	20	3	17	16	12	12	9	18	19	22	9	24	181	

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*See Instruction 2 (*f*) on other side.

† Spare column, no entries required.

(*Signed*) J. Hudson P.T.O

3-1-1935

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 3604/1

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

Kept at Hutton John (Penrith)
in the County of Cumberland

Type "B"

Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft — in.
,, Ground ,, Sea Level 688 ft.

NB This Record is ~~not~~ to be plotted or published in BR. Take no [illegible] action. Totals have been entered on 10 yr sheet

need not be taken [illegible] in 10 year sheet

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Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	0.05	tr	0.15	—	tr	—	—	0.23	0.02	tr	—	0.07		1
2	0.01	0.01	0.16	—	—	—	—	0.34	0.17	—	0.08	0.21		2
3	0.33	0.01	0.04	—	0.01	—	—	tr	0.01	0.30	0.09	0.19		3
4	0.47	tr	0.08	0.05	0.10	—	—	—	0.17	0.46	0.01	0.69		4
5	0.10	—	0.20	—	0.46	—	—	0.21	tr	0.27	tr	0.21		5
6	0.31	0.01	0.12	0.02	0.89	0.07	—	0.07	0.14	0.39	—	0.01		6
7	0.71	0.20	0.08	0.19	tr	tr	—	tr	tr	0.03	—	0.38		7
8	tr	0.01	0.01	tr	0.02	0.18	—	0.02	0.09	0.31	—	0.90		8
9	0.34	0.02	0.01	0.36	—	tr	—	0.15	tr	0.22	0.50	0.24		9
10	0.33	—	0.09	0.02	—	—	—	0.42	0.07	0.15	0.08	0.03		10
11	1.03	—	0.04	0.72	—	—	—	0.11	tr	0.02	0.04	0.14		11
12	0.02	tr	0.01	0.58	—	—	0.09	0.19	tr	0.08	tr	0.15		12
13	0.27	tr	tr	0.16	0.12	—	1.41	tr	—	0.17	tr	0.08		13
14	0.57	tr	0.58	0.01	0.02	0.46	—	—	—	0.49	0.02	0.23		14
15	0.40	0.01	0.19	0.07	0.43	tr	0.01	0.04	0.16	0.28	0.02	0.16		15
16	0.65	tr	0.79	tr	0.19	—	—	tr	0.01	0.02	0.01	0.05		16
17	0.17	—	0.14	0.13	0.52	—	0.35	—	0.37	0.02	0.05	0.41		17
18	0.35	—	0.06	0.04	0.33	0.24	—	0.08	0.11	0.01	0.01	0.66		18
19	tr	tr	0.11	0.03	0.30	0.25	0.03	0.08	0.11	0.26	tr	0.06		19
20	0.02	—	0.01	0.06	0.28	0.04	0.02	0.26	0.11	0.02	0.01	tr		20
21	0.04	tr	0.06	tr	0.08	0.43	—	0.57	0.09	0.27	0.01	—		21
22	tr	—	0.03	0.01	0.01	0.26	—	0.24	0.50	0.34	0.06	—		22
23	—	—	0.09	0.30	—	—	0.12	0.14	tr	0.51	0.13	0.02		23
24	[illegible]	0.06	tr	0.18	0.14	0.06	0.01	tr	0.28	0.60	tr	tr		24
25	0.11	0.08	0.01	0.31	0.03	tr	0.20	—	0.37	1.22	0.07	0.78		25
26	0.11	tr	0.01	0.19	tr	0.23	0.15	—	0.44	0.92	0.01	0.26		26
27	tr	—	—	0.03	—	0.27	0.13	0.12	0.06	0.37	0.01	0.79		27
28	tr	—	—	0.11	—	0.09	0.16	0.48	0.04	0.20	~~tr~~	0.53		28
29	0.07	×	—	tr	—	—	0.09	0.29	0.08	0.11	tr	0.06		29
30	0.27	×	—	—	—	—	tr	tr	1.29	0.40	—	0.75		30
31	0.02	×	—	×	—	×	0.03	—	×	—	×	0.13		31
TOTAL	6.75	0.41	3.07	3.57	3.93	2.58	2.80	4.04	4.69	8.44	1.21	8.19	Year's Total 49.68	
*Days with ·01 in. or more.	24	9	24	21	17	12	14	19	22	28	18	27	235	
*Days with ·04 in. or more.	20	3	17	15	12	12	9	18	19	22	9	24	180	

Do not plot [illegible] put in 10 yr sheet

N.P.

40-9999
*See Instruction 2 (*f*) on other side.

† Spare column, no entries required.

(*Signed*) F. Hudson

3-1-1935

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 3604.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at Hutton John, Penrith

in the County of Cumberland

Diameter of Funnel of Gauge 5 in. Type B

Height of top of Gauge above Ground 1 ft – in.

,, Ground ,, Sea Level 688 ft.

Query Box

To await reply to letter.

766197/27 (Station file

707938/26 (Corres.)

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	0.53	0.93	0.10	tr	—	—	0.36	—	0.99	0.04	0.08	0.32		1
2	0.02	0.17	0.06	tr	—	0.02	tr	—	0.62	0.27	0.10	0.02		2
3	0.07		0.04	0.06	—	0.15	0.22	—	0.12	tr	0.45	0.08		3
4	tr	0.34	0.10	tr	—	0.45	0.44	—	0.13	0.26	tr	0.05		4
5	—	0.54	0.06	0.01	—	0.51	0.01	—	0.02	0.04	0.15	0.22		5
6	—	0.02	tr	—	—	0.38	—	—	—	0.06	0.23	—		6
7	tr	—	tr	0.22	—	0.40	—	—	—	0.51	0.07	0.17		7
8	tr	0.06	—	0.20	—	0.53	—	0.05	—	0.21	0.01	0.12		8
9	0.02	tr	—	0.94	—	0.01	—	—	—	0.69	0.11	tr		9
10	0.15	0.16	—	0.91	—	0.04	—	—	—	0.21	0.11	—		10
11	0.67	0.24	—	0.11	—	0.35	—	0.15	—	0.30	0.19	—		11
12	0.05	0.09	—	—	—	0.17	—	—	0.07	0.09	0.01	—		12
13	0.14	0.18	—	0.03	0.32	0.11	0.06	—	0.54	0.16	0.10	—		13
14	tr	0.02	—	0.02	tr	0.20	—	0.02	0.42	tr	0.19	0.10		14
15	0.01	2.42	—	0.33	0.12	0.11	—	0.01	0.52	0.27	0.08	Frzn		15
16	Frzn	0.79	0.10	0.66	0.38	0.05	0.13	tr	0.40	tr	0.38			16
17	0.01	0.05	tr	0.30	—	0.19	tr	0.01	0.49	0.18	0.38	0.35		17
18	tr	0.36	—	tr	—	tr	0.01	0.05	0.42	1.04	0.09	—		18
19	—	1.00	—	0.15	—	0.08	0.64	—	0.07	0.50	0.10	—		19
20	tr	0.34	—	0.37	—	0.02	0.02	—	0.01	—	0.08	—		20
21	tr	0.17	0.10	0.02	—	0.01	—	—	0.78	0.22	0.01	—		21
22	—	0.08	0.33	0.09	—	—	—	—	0.01	tr	tr	—		22
23	0.07	0.10	0.01	0.04	—	—	—	0.19	0.02	0.53	—	—		23
24	0.81	0.18	0.05	tr	—	—	—	—	0.53	0.05	tr	0.27		24
25	0.30	tr	0.05	—	—	0.25	tr	—	tr	tr	0.31	0.08		25
26	0.01	0.18	—	—	—	0.30	—	1.01	0.13	0.42	0.03	0.34		26
27	—	0.14	—	—	—	0.01	0.35	—	0.15	0.86	0.72	0.14		27
28	—	0.16	—	—	—	—	tr	—	0.18	0.59	0.03	tr		28
29	0.02	×	0.16	—	—	0.01	—	0.13	0.32	0.64	0.10	0.18		29
30	0.01	×	tr	—	—	0.20	—	0.31	0.84	1.07	0.80	0.05		30
31	0.20	×	tr	×	—	×	—	0.01	×	0.32	×	0.59		31
TOTAL	3.09	8.72	1.14	4.66	0.82	4.55	2.24	1.94	7.79	9.53	4.88	3.08	Year's Total. 52.44	
* Days with .01 in. or more.	17	25	12	17	3	24	10	11	23	25	26	16	209	
* Days with .04 in. or more.	10	[illegible]	11	13	3	18	7	7	19	25	21	15	192	

40-9999

† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(Signed) F. [illegible]

[P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3604.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1936.

Kept at Hutton John (Penrith)

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. – in.

,, Ground ,, Sea Level 688 ft.

acfc

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1		0.06	0.05	tr	—	0.01	0.42	0.19	0.18	—	0.19	0.18		1
2		0.07	0.01	—	—		0.20	0.14	0.19	—	0.04	0.08		2
3		0.01	—	—	—	0.31	tr	0.06	0.53	—	0.02	0.31		3
4	0.51	0.01	0.20	—	tr	0.01	0.06	0.06	0.53	—	0.49	0.67		4
5	0.24	tr	0.05	—	—	0.01	tr	0.51	0.24	—	0.35	0.41		5
6	0.12	—	0.06	—	—	tr	0.60	0.06	0.48	—	0.13	—		6
7	tr	—	0.12	—	—	—	0.02	tr	0.74	—	0.62	0.23		7
8	0.45	—	0.43	—	—	—	—	tr	tr	—	0.25	0.01		8
9	1.61	—	0.10	—	—	0.01	—	tr	0.33	0.01	0.54	tr		9
10	0.72	—	tr	—	—	—	0.24	—	0.02	0.01	0.36	tr		10
11	0.01	—	—	0.09	0.01	0.02	0.16	0.08	0.12	—	0.62	0.05		11
12	tr	—	—	0.16	tr	0.04	0.10	0.01	0.19	—	0.07	0.07		12
13	tr	—	—	0.09	tr	—	0.02	tr	0.01	0.17	0.12	1.91		13
14	—	—	tr	0.11	—	0.25	0.02	—	0.23	0.06	0.29	0.64		14
15	0.04	tr	0.01	0.09	—	0.10	0.05	0.04	tr	0.06	0.34	0.99		15
16	0.01	0.06	0.02	0.03	0.04	0.15	0.02	—	—	0.19	0.33	0.04		16
17	0.15	0.41	tr	0.05	0.01	tr	0.36	0.05	—	0.33	0.10	0.93		17
18	tr	0.59	0.01	0.07	tr	—	0.16	0.16	—	0.41	tr	0.02		18
19	0.25	0.15	tr	tr	tr	tr	0.26	0.04	—	0.22	0.01	0.17		19
20	0.20	0.40	0.07	—	—	—	0.12	—	—	0.02	tr	0.08		20
21	0.10	0.10	0.17	0.03	—	0.51	tr	—	—	0.02	tr	0.20		21
22	0.20	0.70	0.04	—	0.01	0.37	0.19	—	—	0.02	—	tr		22
23	0.05	0.09	0.04	0.02	—	tr	0.81	tr	—	0.04	—	tr		23
24	0.05	0.01	—	0.15	0.90	—	0.99	—	0.87	1.64	0.01	—		24
25	0.26	tr	—	0.10	tr	—	0.16	—	0.13	0.59	tr	0.01		25
26	0.58	0.15	0.10	0.02	—	—	0.01	—	0.08	0.78	—	—		26
27	0.45	tr	0.02	—	—	—	—	—	—	0.41	—	—		27
28	0.05	0.10	0.20	tr	0.02	—	0.47	tr	—	0.01	0.01	—		28
29	0.07	0.28	0.48	—	0.32	0.78	—	—	—	0.18	0.09	0.02		29
30	0.02	×	0.08	—	0.01	0.08	0.29	—	—	0.18	0.10	0.53		30
31	0.10	×	0.10	×	0.06	×	0.02	—	×	tr	×	0.46		31
TOTAL	6.24	3.19	2.36	1.01	1.38	2.66	5.75	1.40	4.87	5.35	5.08	8.01	Year's Total 47.30	✓
* Days with .01 in. or more.	~~24~~ 25	16	21	13	9	15 ~~14~~	24	12	16	20	22	22	~~213~~	215 ✓
* Days with .04 in. or more.	~~20~~ 21	13	16	9	4	10 ~~9~~	18	11	13	14	18	17	~~162~~	164 ✓

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*) F. Nuttleston. [P.T.O.

1-1-37

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3604

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1937.

Kept at Hutton John . Penrith

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

,, Ground ,, Sea Level 688 ft.

Afe

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ✓

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	0.09	0.01	0.30	—	—	0.02	0.17	—	0.33	0.21	tr	0.31		1
2	0.46	0.98	0.01	0.20	—	0.07	0.01	—	0.02	0.01	tr	0.02		2
3	0.20		0.07	0.02	0.08	0.22	0.05	—	—	—	—	0.03		3
4	0.73	0.03	0.04	0.27	0.15	tr	0.01	0.01	0.42	—	tr	0.47		4
5	1.00	tr	0.03	0.23	0.04	0.03	0.07	—	0.74	—	—	0.13		5
6	0.12	0.02	tr	0.05	0.06	0.03	tr	—	0.11	—	—	0.01		6
7	0.02	0.11	tr	0.71	0.03	tr	—	—	0.15	—	0.03	0.03		7
8	0.01	0.33	0.03	0.03	—	0.05	0.19	0.02	0.02	—	tr	0.02		8
9	0.02	0.13	tr	0.16	0.04	0.23	0.15	0.04	tr	—	tr	—		9
10	0.02	0.27	—	tr	0.04	0.01	tr	tr	—	—	—	Snow +		10
11	0.09	tr	0.08	tr	0.01	—	—	—	tr	—	—	Snow +		11
12	0.91	0.22	0.28	0.02	0.01	0.08	—	0.05	0.09	—	—			12
13	0.02	0.08	tr	tr	—	0.76	tr	0.48	0.05	0.02	—	more snow +		13
14	—	0.06	0.03	—	—	tr	0.10	0.30	0.05	0.03	tr			14
15	0.29	0.67	tr	0.09	—	—	0.23	0.01	0.22	tr	—	more snow		15
16	0.05	0.40	0.77	0.32	0.12	—	—	0.26	tr	—	—			16
17	0.63	0.05	0.07	0.10	tr	—	—	0.01	0.65	—	—			17
18	tr	0.45	0.17	0.15	—	0.16	0.01	0.39	tr	—	—			18
19	0.03	0.23	0.02	0.06	0.07	0.07	—	0.02	0.30	—	0.82			19
20	0.79	0.08	0.01	0.03	0.74	0.16	0.12	—	tr	0.02	0.24			20
21	0.60	0.03	0.10	0.10	0.08	—	0.46	—	—	0.29	0.02	1.53		21
22	0.39	tr	0.09	0.07	0.22	0.01	0.14	—	—	0.03	0.04	0.22		22
23	0.22	—	tr	tr	0.05	—	0.19	—	0.01	1.61	0.01	0.03		23
24	0.42	0.10	0.11	—	0.05	—	0.01	0.03	0.10	0.34	0.01	0.13		24
25	0.08	0.46	0.05	—	tr	—	—	0.06	tr	0.11	tr	0.01		25
26	tr	0.30	0.08	tr	0.48	—	—	—	—	0.13	—	tr		26
27	—	Frozen +	tr	0.16	tr	tr	0.03	—	0.07	0.66	—	0.01		27
28	—	0.81 +	tr	tr	—	0.08	—	—	tr	0.07	—	tr		28
29	Frozen +	×	—	—	—	0.02	—	—	—	0.15	0.03	0.01		29
30	0.20 +	×	—	—	—	0.09	—	0.14	0.06	0.07	0.14	tr		30
31	0.35	×	—	×	0.02	×	—	0.69	×	0.06	×	—		31
TOTAL	7.74	5.82	2.34	2.27	2.29	2.09	1.94	2.51	3.39	3.74	1.34	2.96	Year's Total 38.43	✓
* Days with .01 in. or more.	26	24	19	18	18	17	16	15	17	16	9	~~18~~ 21	2~~7~~6	✓
* Days with .04 in. or more.	20	20	13	14	14	11	11	9	14	11	4	11	152	✓

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*) J. Hutton [P.T.O.

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Section **A** for the entry of Daily Observations

Station No. 3604

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

Kept at Hutton John. Penrith

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. – in.

,, Ground ,, Sea Level 688 ft.

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Jan. 1, following ✕

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	—	0.28	0.04	0.04	—	1.40	tr	—	0.05	tr	0.28	0.24		1
2	—	0.12	tr	0.58	—	0.55	0.01	—	0.07	1.43	0.41	0.15		2
3	tr	0.10	—	tr	—	0.03	0.18	—	0.31	2.41	0.57	0.01		3
4	tr	0.06	—	0.13	—	0.08	0.01	—	tr	0.58	0.10	0.69		4
5	0.05	0.04	—	tr	—	0.37	0.14	—	0.07	0.54	0.05	0.01		5
6	0.48	0.01	—	0.01	—	0.42	0.20	0.20	0.06	0.97	0.01	0.14		6
7	0.01	—	—	—	—	—	0.64	0.53	0.01	0.55	0.14	0.17		7
8	0.08	0.09	tr	—	0.01	0.01	0.10	—	—	0.61	0.21	0.08		8
9	0.12	0.45	0.13	—	tr	0.24	0.05	—	—	0.13	tr	0.60		9
10	0.04	0.02	0.06	—	—	0.03	0.24	—	—	0.44	tr	0.12		10
11	0.22	0.04	tr	—	0.13	0.01	0.02	—	—	0.14	0.17	0.36		11
12	0.46	—	tr	—	0.38	—	0.01	—	—	0.76	3.22	0.08		12
13	0.03	0.01	—	—	0.01	—	0.20	tr	0.27	0.31	0.45	0.31		13
14	1.19	—	—	—	0.04	—	tr	—	tr	0.02	tr	0.03		14
15	0.75	—	0.21	—	0.12	—	—	0.39	0.02	0.10	—	0.30		15
16	0.48	—	0.14	—	0.15	—	—	0.47	0.13	0.43	0.04	tr		16
17	0.01	—	0.02	—	0.18	—	0.04	0.32	0.37	0.70	tr	tr		17
18	0.21	—	0.10	—	tr	0.06	—	0.12	0.05	0.29	0.82	—		18
19	0.04	—	0.46	—	—	0.01	—	030	0.03	tr	0.17	Frozen		19
20	0.39	tr	0.93	—	—	—	—	0.16	0.05	—	0.03	—"—		20
21	tr	—	0.02	0.02	0.03	0.01	—	0.20	0.06	—	0.23	—"—		21
22	tr	—	—	tr	0.08	tr	—	tr	tr	—	0.84	0.05		22
23	0.30	—	tr	—	0.16	0.45	—	0.02	0.01	—	0.26	0.06		23
24	0.58	0.04	0.09	—	—	0.08	—	0.32	0.19	0.29	0.05	0.01		24
25	0.65	0.18	0.08	—	0.16	0.02	1.26	tr	tr	0.18	0.09	0.05		25
26	0.17	0.20	0.09	~~[illegible]~~	0.20	0.66	0.03	—	—	0.46	0.06	0.04		26
27	0.24	0.26	tr	—	0.19	0.50	0.46	0.21	—	0.05	0.30	tr		27
28	0.84	0.17	0.15	—	0.33	1.24	0.02	0.04	0.04	0.04	0.13	0.09		28
29	0.22	0.10	0.08	—	0.20	0.25	0.87	—	0.02	0.03	043	0.31		29
30	0.21	✕	0.02	—	—	0.08	023	—	0.27	0.24	0.69	0.07		30
31	0.60	✕	0.12	✕	0.30	✕	tr	—	✕	0.80	✕	0.20		31
TOTAL	7.77	1.97	2.74	0.78	2.67	6.50	4.71	3.28	2.08	12.50	9.99	4.17	Year's Total 59.16	✓
* Days with .01 in. or more.	25	17	17	5	17	21	19	13	19	25	25	24	227	✓
* Days with .04 in. or more.	22	14	13	3	14	14	13	12	14	23	23	20	185	✓

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) F. Hudleston (2.1.39) [P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations — Station No. 3604.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at Hutton John. Penrith

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. – in.

,, Ground ,, Sea Level 688 ft.

Dec ✓

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in. ✓	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	0.64	–	0.74	0.01	–	–	0.37	0.09	0.02	0.03	–	0.53		1
2	0.01	–	0.49	0.02	–	–	0.31	0.52	0.74	tr	0.04	0.15		2
3	–	–	0.11	0.04	–	–	0.03	0.17	0.17	tr	0.18	fog ✗		3
4	Fog	–	0.58	tr	0.01	–	0.43	tr	tr	tr	0.07	0.87		4
.22 5	–	0.22	0.07	–	0.20	–	0.59	0.04	–	0.39	0.76	0.02		5
.20 6	0.19	0.20	0.08	–	tr	–	0.26	tr	–	0.04	0.33	0.01		6
.23 7	0.49	0.23	0.66	–	–	–	0.12	–	0.02	tr	0.29	0.02		7
.77 8	0.71	0.77	0.30	0.19	–	–	0.14	0.20	0.01	0.07	1.06	0.35		8
.39 9	0.60	0.39	0.01	0.01	–	–	0.07	0.54	0.03	0.81	0.01	0.21		9
.02 10	0.02	0.02	tr	–	–	0.44	tr	0.31	0.67	0.21	0.02	0.08		10
.44 11	0.04	0.44	0.44	–	0.01	0.15	–	0.05	tr	0.25	0.11	0.02		11
.24 12	Fog	0.24	tr	0.05	–	–	–	0.01	0.01	0.09	0.02	–		12
13	–	tr	0.01	0.15	0.15	0.01	0.11	–	0.08	0.01	0.18	–		13
14	1.52	tr	tr	0.23	0.36	0.25	0.16	–	tr	0.08	0.82	–		14
.05 15	1.11	0.05	0.10	0.46	tr	0.37	0.65	–	–	0.01	0.12	–		15
.08 16	0.66	0.08	0.01	0.16	0.01	–	1.03	–	–	tr	0.10	–		16
.14 17	0.24	0.14	–	0.21	–	0.14	tr	–	–	tr	0.01	–		17
.22 18	0.10	0.22	0.11	–	–	0.01	0.15	–	–	0.01	0.53	–		18
.01 19	0.13	0.01	tr	–	–	0.03	0.58	–	–	tr	tr	–		19
.02 20	0.01	0.02	tr	–	0.01	0.06	–	0.26	–	–	tr	[illegible]		20
.70 21	0.08	0.70	0.21	0.23	–	–	–	0.09	0.01	tr	tr	–		21
.13 22	0.25	0.13	0.13	0.05	–	–	0.02	tr	–	0.07	0.35	0.01		22
.34 23	0.13	0.34	0.06	0.22	–	0.07	0.04	–	–	0.02	0.01	tr		23
.36 24	0.09	0.36	0.03	0.11	–	0.02	0.07	tr	–	tr	0.06	tr		24
.16 25	0.08	0.16	0.01	0.10	–	tr	–	0.02	–	–	0.90	0.01		25
.11 26	0.01	0.11	tr	tr	0.04	–	–	0.36	–	0.52	0.04	–		26
.61 27	–	0.61	0.03	0.01	–	0.19	0.04	tr	–	0.13	0.27	✗		27
.14 28	tr	0.14	0.05	0.02	–	0.56	0.69	0.02	–	tr	0.47	–		28
29	0.01	✗	0.03	–	–	0.22	0.48	–	–	0.24	0.20	–		29
30	–	✕	*	–	–	0.44	0.05	–	–	0.02	0.92	–		30
7/8 31	–	✕	–	✕	–	✕	0.41	–	✕	0.01	✕	0.09		31
57 TOTAL	7.12	5.58	4.26	2.21	0.79	2.96	5.90	2.68	1.76	3.01	7.87	2.31	Year's Total 46.45	
* Days with .01 in. or more.	22	12	22	18	8	15	23	14	10	19	26	~~4~~13	21~~8~~3	
* Days with .04 in. or more.	17	19	15	13	4	11	21	11	4	12	21	~~x~~8	15~~5~~6	

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) F. Nicholson

[P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3604 ✓

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1940

Kept at Hutton John, Penrith

in the County of Cumberland

Diameter of Funnel of Gauge 5" in.

Height of top of Gauge above Ground 1 ft. — in.

,, Ground ,, Sea Level 688 ft.

Jan & Feb apportioned

Acks

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	—	Frozen	tr	0.35	0.05	—	0.05	~~0.05~~	—	—	0.23	0.18		1
2	—	,,	—	0.03	—	—	0.09	—	—	—	0.95	0.12		2
3	—	,, ·09	—	0.10	—	—	0.36	—	—	—	tr	0.05		3
4	—	melted ~~0.89~~	—	0.11	—	—	0.05	—	tr	0.15	0.03	0.29		4
5	—	0.04	—	tr	0.34	—	0.04	tr	—	0.78	0.04	1.30		5
6	0.03	0.02	—	0.04	—	—	0.03	0.03	0.02	0.58	0.08	0.19		6
7	0.03	0.04	—	0.21	0.13	—	0.02	0.12	0.15	0.04	0.06	tr		7
8	—	tr	0.02	0.01	tr	—	0.01	0.27	0.12	0.91	0.29	0.09		8
9	—	—	0.05	0.02	—	—	0.68	0.14	0.21	1.22	0.33	0.25		9
10	tr	—	0.11	—	—	—	0.93	0.40	tr	0.12	0.53	0.10		10
11	—	—	0.83	0.10	—	—	0.94	tr	tr	tr	0.65	Frozen		11
12	—	—	0.82	tr	—	—	0.02	0.04	0.71	tr	0.15	,,		12
13	—	—	0.09	—	—	—	0.11	0.01	0.22	—	0.15	0.19		13
14	—	—	0.12	0.46	—	—	0.13	0.06	0.08	—	0.02	0.25		14
15	—	—	0.03	0.04	0.06	—	0.02	tr	—	0.08	0.22	0.19		15
16	1½" Snow. X	—	0.01	tr	—	—	0.56	—	1.12	0.40	0.01	0.24		16
17		—	0.18	—	—	—	0.76	0.03	0.71	0.02	0.20	0.04		17
18	3" Snow. X	0.05	0.06	0.08	—	—	0.22	0.16	0.41	tr	0.01	0.49		18
19	9" ,, ,, X	0.06	0.52	0.14	—	—	0.18	—	0.10	—	0.60	0.01		19
20	,,	0.01	0.50	0.16	—	—	0.03	0.36	0.05	0.15	0.14	—		20
21	,,	tr	0.15	0.04	—	0.46	—	0.02	0.01	0.03	0.08	—		21
22	,,	0.16	0.08	—	—	0.49	—	0.02	0.30	0.01	0.01	—		22
23	melted	0.22	0.14	0.16	0.10	—	0.12	—	0.10	—	0.24	—		23
24	0.70 X	0.01	0.01	0.08	tr	tr	0.05	—	—	tr	0.02	0.02		24
25	tr	0.01	tr	tr	0.50	0.08	tr	tr	—	—	0.01	—		25
26	Frozen	0.14	0.13	—	0.04	0.06	—	0.19	0.01	—	0.24	tr		26
27	,, X	0.16	—	0.10	tr	—	0.03	—	—	tr	0.02	—		27
28	Thawed up (·80)	0.05	tr	tr	0.23	—	—	0.09	—	—	0.01	0.20		28
29	Frozen	—	0.16	0.02	0.05	0.03	0.03	—	—	0.01	0.01	0.29		29
30	,,	X	0.07	tr	0.01	—	—	—	—	0.86	tr	0.38		30
31	,,	X	0.37	X	0.01	X	—	0.02	X	0.25	X	0.02		31
TOTAL	~~0.06~~ 1.56	1.06 ~~1.86~~	4.45	2.25	1.52	1.12	5.49	1.96	4.32	5.61	5.30	4.89	Year's Total 39.53	~~39.83~~
* Days with .01 in. or more.	(~~X~~) 7	(~~X~~) 14	21	19	11	5	24	16	16	16	28	21	~~(196)~~	198
* Days with .04 in. or more.	(~~X~~) 5	(~~X~~) 10	17	15	9	4	15	10	13	12	17	18	~~(139)~~	145

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) F. Nutter

[P.T.O.

THRELK

(3604/5)

Section **A** for the entry

AIR MINIST … NFALL ORGANIZATION.

FORM 1090.

REGI … 1932.

Cumberland 5/1

3604/5

SKIDDAW HOUSE

1932 - 40

780703

Kept at Skiddaw H

in the County of Cum

Diameter of Funnel of Gauge … A.G.

Height of top of Gauge above Gr … by comparison with surrounding stns. 8/2/33.

,, Ground ,, Se … ted.

THE MORNING MEA … DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1													1
2										1·2			2
3									(2·70)				3
4									~~10·2~~			1·8	4
5													5
6											1·2		6
7								0·15					7
8													8
9										2·9			9
10													10
11									2·9			—	11
12													12
13											—		13
14								0·15					14
15													15
16										2·1			16
17							0·25						17
18									1·6			6·00	18
19													19
20											0·15		20
21								0·95					21
22													22
23										3·3			23
24							1·00						24
25									0·9			1·55	25
26													26
27											3·00		27
28								0·05					28
29													29
30		×							✓	2·3	0·8		30 "W"
31		×		×		×	3·6	(1·50)	×		×	1·2	31 "W"
TOTAL							(7·50)	2·80	8·10	11·80	5·15	10·55	YEAR'S TOTAL
*Days with ·01 in. or more.													
*Days with ·04 in. or more.													

The gauge: an Adaptor pattern 2·65 number 5003 was first put into position on Thursday 14th July 1932

40-9999

N.

(Signed) J. Robinson

J. ROBINSON ESQ.

*See Instruction 2 (f) on other side.

P.T.O.

THRELK

3604/3

Section **A** for the entry of Daily Observations.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

Cumberland 5/1

[illegible]

Kept at Skiddaw House (Threlkeld)

in the County of Cumberland

Diameter of Funnel of Gauge 5 inch in.

Height of top of Gauge above Ground 1 ft 6 in.

,, Ground ,, Sea Level 1480 ft.

O.S. Map No 12. A6.

August & Sept allocated by comparison with surrounding stns. 8/2/33. [illegible]

Early July estimated.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1													1
2										1·2			2
3													3
4									(2·70) ~~1·2~~			1·8	4
5													5
6											1·2		6
7								0·15					7
8													8
9										2·9			9
10													10
11									2·9			—	11
12													12
13											—		13
14								0·15					14
15													15
16										2·1			16
17							0·25						17
18									1·6			6·00	18
19													19
20											0·15		20
21								0·95					21
22													22
23										3·3			23
24							1·00				—		24
25									0·9			1·55	25
26													26
27											3·00		27
28								0·05					28
29													29
30		×							✓	2·3	0·8		30 "W"
31		×		×		×	3·6	(1·50)	×		×	1·2	31 W
TOTAL							(7·50)	2·80	8·10	11·80	5·15	10·55	YEAR'S TOTAL
*Days with ·01 in. or more.													[illegible]
*Days with ·04 in. or more.													[illegible]

+2·65

The gauge - an octagon pattern number 5003 was put into position on Thursday 14th July 1932

40-9999

*See Instruction 2 (*f*) on other side.

N.

(Signed) J. Robinson

J. ROBINSON ESQ.

[P.T.O.

3604/5

Section **A.** for the entry of Daily Observations.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Cumb/1

Kept at ~~Skiddaw House~~ (Threlkeld)

in the County of Cumberland

Diameter of Funnel of Gauge 5 inch in.

Height of top of Gauge above Ground 1 ft 6 in.

" Ground " Sea Level 1480 ft.

Comp 1932

10K [illegible]

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	0·2									—			1
2				~~[illegible]~~			—						2
3				0·15					0·05	—		—	3
4						0·8							4
5		3·7	1·5								0·65		5
6								0·10					6
7					1·0								7
8	4·4									0·8			8
9				0·9			1·85						9
10									—			0·05	10
11						0·25							11
12		2·00	0·75								0·30		12
13								0·45					13
14					0·65								14
15	1·3									2·9			15
16				0·35			1·4		—				16
17									0·4			0·15	17
18						2·5							18
19		—	2·2								1·30		19
20								1·55					20
21					0·55								21
22	0·15									0·35			22
23				0·25			—						23
24									0·6			0·40	24
25						0·2							25
26			—								0·10		26
27								0·35					27
28		1·9			1·4								28
29	—									1·3			29
30		×	0·35	1·05		—	2·7		0·65		—	~~[illegible]~~	30
31	2·7	×		×	—	×	0·1	1·8	×	0·35	×	0·45	31
TOTAL	8·75	7·6	4·80	2·71	3·6	3·75	6·05	4·25	1·70	5·70	2·35	1·05	YEAR'S TOTAL 52·30
*Days with ·01 in. or more.													Part of
*Days with ...in. or more.													

10K [illegible]

"W"

99

...ction 2 (*f*) on other side.

(Signed) J. Robinson Esq

[P.T.O.

Section **A** **for the entry of Daily Observations.** **COPY FOR OFFICIAL USE.**

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION. [230

FORM 1

REGISTER OF RAINFALL IN 1932.

Kept at Skiddaw House, Threlkeld
in the County of Cumberland
Diameter of Funnel of Gauge 5" in.
Height of top of Gauge above Ground 1 ft. 6 in.
,, Ground ,, Sea Level 1480 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1													1
2										1·2			2
3													3
4									4·2				4
5													5
6											1·2		6
7								0·15					7
8													8
9										2·9			9
10													10
11									2·9				11
12													12
13											–		13
14								0·15					14
15													15
16										2·1			16
17							0·25						17
18									1·6				18
19													19
20											0.15		20
21								0·95					21
22													22
23										3·3			23
24							1·0						24
25									0·9				25
26													26
27											3.00		27
28								0·05					28
29													29
30		×								2·3	0·8		30
31		×		×		×	3·6		×		×		31
TOTAL											5.15		YEAR'S TOTAL
*Days with ·01 in. or more.													
*Days with ·04 in. or more.													

40-9999

*See Instruction 2 (*f*) on other side.

(*Signed*) Joseph Robinson

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3604/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

Kept at Skiddaw House. Threlkeld.

in the County of Cumberland

Diameter of Funnel of Gauge 5 inches in.

Height of top of Gauge above Ground 1 ft 6 in.

,, Ground ,, Sea Level 1480 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1				—			—							1
2				—					0·3			0·75		2
3						—								3
4		—	0·7								0·6			4
5								1·9						5
6					1·4									6
7	4·3									2·3				7
8				0·5			—							8
9									1·00			3·6		9
10						0·15								10
11		0·25	0·75								0·65			11
12								3·4						12
13					0·4									13
14	3·00									2·3				14
15				1·7			0·8							15
16									0·5			1·00		16
17						0·15								17
18		—	1·25								0·1			18
19								0·65						19
20					2·85									20
21	2·4									2·5				21
22				0·75			0·5							22
23									2·65			1·75		23
24						2·8								24
25		0·25	0·55								1·00			25
26								2·3						26
27					0·35									27
28	0·5									4·35				28
29		—		1·95			2·00							29
30		×		—		1·00			5·00		0·05	2·8		30
31	0·6	×	0·1	×	—	×	0·15	1·95	×	0·4	×	0·3		31
TOTAL	10·80	0·50	3·35	4·90	5·00	4·10	3·45	10·20	9·45	11·85	2·40	10·20	Year's Total. 76·20 ✓	
* Days with .01 in. or more.														
* Days with .04 in. or more.														

40-9999

* See Instruction 2 (f) on other side.

M

† Spare column, no entries required.

(*Signed*) Joseph Robinson

[P.T

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 360415

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at Skiddaw House (Threlkeld)

in the County of Cumberland

annual total corr'd for arith error

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 2 ft 6 in.

,, Ground ,, Sea Level 1480 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1									1·6			0·4	1
2						0·15							2
3		1·65	0·25								0·4		3
4								—					4
5					—								5
6	1·4									0·95			6
7				0·4			1·45						7
8									1·85			1·7	8
9						2·5							9
10		1·75	0·25								0·75		10
11								0·2					11
12					—								12
13	1·3									3·85			13
14				1·9			—						14
15									1·6			0·3	15
16						1·1							16
17		4·6	0·1								1·8		17
18								0·3					18
19					1·4								19
20	—									3·4			20
21				3·8			1·3						21
22									2·4			0·35	22
23						0·95							23
24		3·75	0·95								0·3		24
25								0·2					25
26					—								26
27	1·35									2·6			27
28		0·4		0·15			1·00						28
29									2·7			0·9	29
30		×		—		1·1			0·9		3·3		30
31	0·6	×	0·25	×	—	×	—	3·2	×	2·7	×	0·6	31
TOTAL	4·65	12·15	1·80	6·25	1·40	5·80	3·75	3·90	11·05	13·50	6·85	4·25	YEAR'S TOTAL ~~75·55~~
*Days with ·01 in. or more.													75·~~4~~35
*Days with .04 in. or more.													

40-9999

*See Instruction 2 (*f*) on other side.

(*Signed*)

P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 3604/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1936.

Kept at Skiddaw House, Threlkeld

in the County of Cumberland

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft..........in.

,, Ground ,, Sea Level ....ft.

compare at end of year

Copy by B.R.O.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	–	–	·2	–	–	–	–	–						1
2	–	·01	–	–	–	–	–	·8						2
3	–	–	–	–	–	–	–	–						3
4	–	–	–	–	–	–	–	–						4
5	1·05	–	–	–	–	–	·9	–						5
6	–	–	–	–	–	–	–	–						6
7	–	–	–	–	–	1·0	–	–						7
8	–	–	·85	–	–	–	–	–						8
9	–	–	–	–	–	–	–	1·15						9
10	–	–	–	–	–	–	–	–						10
11	–	–	–	–	–	–	–	–						11
12	3·1	–	–	·1	–	–	1·6	–						12
13	–	–	–	–	–	–	–	–						13
14	–	–	–	–	–	1·0	–	–						14
15	–	–	–	–	–	–	–	–						15
16	–	–	·2	–	–	–	–	·45						16
17	–	–	–	–	·3	–	–	–						17
18	–	–	–	–	–	–	–	–						18
19	–	–	–	·45	–	–	1·55	–						19
20	–	–	–	–	–	–	–	–						20
21	–	–	–	–	–	1·7	–	–						21
22	–	–	·6	–	–	–	–	–						22
23	–	1·6	–	–	–	–	–	·8						23
24	–	–	–	–	1·2	–	–	–						24
25	–	–	–	–	–	–	–	–						25
26	2·5	–	–	·7	–	–	3·3	–						26
27		–	–	–	–	–	–	–						27
28		–	–	–	–	–	–	–						28
29		1·05	1·35	–	–	·45	–	–						29
30		✗	–	–	–	·75	–	–						30
31	1·06	✗	·3	✗	·7	✗	1·2	·1	✗		✗			31
TOTAL	7·70	2·75	3·50	1·25	2·20	4·9	8·55	3·30					Year's Total	
* Days with .01 in. or more.	4	3	6	3	3	5	5	4						
* Days with .04 in. or more.	4	2	6	3	3	5	5	4						

Gauge Broken

40-9999.

† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(*Signed*) .... [P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3604/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1937.

Kept at Skiddaw House, Threlkeld

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft 6 in.

,, Ground ,, Sea Level 1480 ft.

1936 imp

Examine later -

180504/32

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ✓

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1								—						1
2														2
3										0·15				3
4							1·25							4
5									4·75					5
6						2·5								6
7											0·25			7
8								0·05						8
9														9
10										—				10
11							1·65							11
12									1·0					12
13						1·1								13
14											—			14
15								1·9						15
16														16
17										0·2				17
18							0·5							18
19									1·6					19
20						0·15								20
21											0·7			21
22								1·25						22
23														23
24										2·2				24
25							2·55							25
26									0·8					26
27						0·05								27
28														28
29								—						29
30		×				0·65			0·6		0·75			30
31		×		×		×	0·1	1·55	×	2·2	×	4·65		31
TOTAL						4·45	6·05	4·75	8·75	4·75	1·5	4·65	Year's Total. ~~34·9~~	[illegible]
* Days with .01 in. or more.														
* Days with .04 in. or more.														

40-9999

† Spare column, no entries required.

(*Signed*) Joseph Robinson [P.T.O.

* See Instruction 2 (f) on other side.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3604/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

Kept at Threlkeld Skiddaw Ho
in the County of Cumberland
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft. 6 in.
,, Ground ,, Sea Level 1480 ft.

[illegible] 1937
£ 180504/32

Copy by B.R.O.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	–					1·9	·05	·05	.45	·2	·90	·70		1
2	–					1·4	·20	–	–	2·5	1·05	·45		2
3	–			1·00		·1	·50	–	1·10	2·6	·90	·25		3
4	–					·2	·25	–	–	1·1	·10	1·05		4
5	–					·15	·15	–	–	1·3	·25	·10		5
6	–	1·0	·05			1·55	–	–	·05	0·7	·15	·05		6
7	–					·025	1·05	–	·10	0·5	·60	·20		7
8	–						·10	·20	–	·75	1·30	·15		8
9	1·2					·525	·125	–	–	·90	·10	·45		9
10				·40		·25	·15	–	·05	·20	–	·25		10
11						·05	·40	·15	.15	1·10	·70	·30		11
12							·10	–	–	2·10	4·10	·25		12
13		1·0	·25				·50	·10	·05	·50	1·20	·15		13
14							–	–	–	–	·10	·05		14
15					1·40		–	1·2	–	·40	–	·30		15
16	4·45				·40		–	·5	1·40	1·60	–	·05		16
17					·25		–	·95	2·20	1·00	·20	–		17
18						0·3	–	·60	·20	·20	·80	–		18
19							–	·20	–	–	·30	–		19
20		–	4·70				·15	·55	·20	–	·20	·10		20
21						·3	–	·05	·05	–	·30	·05		21
22						·1	–	–	–	–	1·10	·05		22
23	2·4				·70	·4	–	·15	·20	–	1·65	–		23
24				·10		·5	·025	·20	·30	·30	·05	–		24
25					·30	·15	1·20	–	–	·45	·30	–		25
26					·60	·9	–	–	–	·95	·10	·125		26
27		1·75	1·25		·225	1·2	.45	–	–	·30	·25	·025		27
28		·35			·55	2·1	·25	·15	–	·05	·60	·10		28
29					·10	·2	2·80	–	·10	–	·25	·65		29
30	3·25	✕				·325	1·60	–	–	·45	·75	·05		30
31	·95	✕	·25	✕	·30	✕	·10	–	✕	·25	✕	·50		31
TOTAL	12·25	4·10	6·50	1·50	4·825	12·625	10·17	5·05	6·60	20·40	18·30	6·40	Year's Total 108·72	
* Days with .01 in. or more.	5	4	5	3	10	21	20	14	15	24	27	25	[illegible]	
* Days with .04 in. or more.	5	4	5	3	10	20	19	14	15	24	27	24	[illegible]	

Print GB

25/4/39

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(Signed) W. Brown Esq. [P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3604/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at Threlkeld, Skiddaw Ho

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 6 in.

" Ground " Sea Level 1480 ft.

d or [illegible] Dec days

Copy by B.R.O.

Sept. corr. for arith.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.✓	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	1·05	-	1·05	-	-	-	·20	·30	·025			-		1
2	-	-	2·10	-	-	-	·40	·80	·10			-		2
3	-	-	·75	-	-	-	-	·10	·50			·15		3
4	-	·05	·25	·05	-	-	-	-	-			-		4
5	-	·025	·10	-	-	-	1·10	-	-			-		5
6	·50	·15	·05	-	-	-	·25	-	·60	·35 3·50	1·1	-		6
7	1·50	2·80	·50	-	-	-	·10	-	·10			-		7
8	2·10	1·60	·55	·35	-	-	·20	·30	-			-		8
9	·40	·70	-	·10	-	-	·725	·50	1·40			-		9
10	·20	·10	·10	-	-	·70	-	1·10	-			2·40		10
11	·40	·70	·45	-	-	·50	-	0·225	·30			-		11
12	-	·90	-	·20	-	-	·025	-	·25			-		12
13	·50	-	-	·70	-	-	·75	-	-			-		13
14	1·05	·10	·05	1·10	·70	·80	·60	-	-			-		14
15	1·50	-	·25	-	·30	1·10	·15	-	-	1·10	2·7	-		15
16	1·20	·05	·05	-	-	-	·25	-	-			-		16
17	·45	·625	-	-	-	·05	-	-	-			1·05		17
18	·25	·15	-	·20	·05	·025	-	-	-			.		18
19	·025	-	-	·50	-	-	·225	·025	-			.		19
20	-	·10	·45	-	·15	·10	·25	·15	.		2·9	.		20
21	-	·725	-	-	-	-	·05	-	·20	·01 ·10		-		21
22	-	·35	-	1·05	-	-	·125	-	-	·03 ·30		-		22
23	·20	·50	-	·05	-	·075	·10	-	.	·25		-		23
24	·10	·125	-	·15	-	-	-	-	-	-		-		24
25	-	·225	-	-	-	-	-	-	.	-		-		25
26	-	·10	·25	-	-	-	-	-	.	·02 ·20		-		26
27	-	·80	-	-	-	·70	·20	·955	.	·01 ·10	3·23	-		27
28	-	·25	-	-	-	1·70	2·10	-	.	-		-		28
29	-		-	-	-	·65	·20	-	.	·25 ·025	4·5	-		29
30	-	×	-	-	-	·30	·30	-	.	·035 ·35		-		30
31	-	×	·40	×	-	×	1·40	.	×	·025	×	·90		31
TOTAL	11·425	3 11·125	7·35	4·45	1·20	6·70	9·70	4·455	3·47 2·475	2·085 2·8	14·45	4·50	Year's Total 80·90	
* Days with .01 in. or more.	16	22	16	11	4	12	22	10	9	10	5	4	141	
* Days with .04 in. or more.	15	21	16	11	4.	11	21	9	8	4	5	4	129	d.

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(Signed) ....

[P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3604/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 19~~3~~40

Kept at Threlkeld (Skiddaw Ho.)

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 6 in.

,, Ground ,, Sea Level 1480 ft.

BRITISH RAINFALL ORGANIZATION.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1				-	-	-	-	-	-	-		-		1
2				-	-	-	-	-	-	-		-		2
3				-	-	-	-	-	-	-		-		3
4				-	-	-	-	·05	-	-		-		4
5				-	·025	-	-	-	-	-		-		5
6				-	-	-	-	-	-	-		-		6
7	·05			2.35	-	-	1.5	-	-	-		-		7
8				-	-	-	-	-	·7	-		3·10		8
9				-	-	-	-	-	-	-		-		9
10			1·87	-	-	-	-	-	-	-		-		10
11		·025		-	-	-	-	3·00	-	-		-		11
12				-	·05	-	-	-	-	-		-		12
13				-	-	-	-	-	-	5·2		-		13
14	0·2			·25	-	-	4·55	↓	-	-		-		14
15				-	-	-	-	↓	3·5	-		2·20		15
16				-	-	1·05	-	-	-	-		-		16
17			3·40	-	-	-	-	-	-	-	5·20	-		17
18		·025		-	-	-	-	1·40	-	-		-		18
19				-	·025	-	-	-	-	-		-		19
20				-	-	-	-	-	-	2·1		-		20
21	0·9			·90	-	-	3·60	-	-	-		-		21
22				-	-	-	-	-	6·3	-		1·55		22
23				-	-	·35	-	-	-	-		-		23
24		·05	2·15	-	-	-	-	-	-	-		-		24
25				-	-	-	-	1·20	-	-		-		25
1·95 26	(+50)			-	·95	-	-	-	-	-		-		26
27				-	-	-	-	-	-	0·2		-		27
28	0·35			·15	-	-	0·80	-	-			-		28
29		1·4		-	-	-	-	-	-			1·45		29
30		✕		-	-	·225	-	-	·25		3·15	-		30
31	0·1	✕	1·85	✕	1·1	✕	0·30	1·15	✕	0·15	✕	1·10		31
TOTAL	2·55	1·50 ~~1·60~~	9·27	3·65	2·15	1·625	10·75	6·80	10·75	7·65	8·35	9·40	Year's Total 74·445	d
* Days with .01 in. or more.														
* Days with .04 in. or more.														

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) W. Brown

[P.T.O.

3605/7 — 600932

PENRITH — CASTLE PARK

1937 — 1940

780703

Section **A** for the entr… AIR MIN…

Station No. 3605/7 …LL ORGANIZATION

FORM 1090

REC… 7

Kept at Castle Park, P…

in the County of ……C… 34

Diameter of Funnel of Gauge…

Height of top of Gauge abo…

,, Ground ,,

THE MORNING MEA… …US DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1						/	/	/	.20	·25		·09		1
2						/	/	.03	/	·01		·02		2
3						/	/	/	/	—		/		3
4						/	.06	.09	.15	—		·18		4
5						/	.03	.05	.81	—		/		5
6						/	.09	/	.11	—		·22		6
7						/	/	/	.07	—	·04	/		7
8						/	/	.01	/	—		·08		8
9						/	.19	.10	/	—		/		9
10						/	.07	/	/	—		·56		10
11						/	/	/	/	—		·11		11
12						/	/	.08	.09	—		·21		12
13						.06	/	.24	.02	·01		·03		13
14						.75	.08	.38	.04	·01		·59		14
15						/	.39	.36	.23	—		/		15
16						/	/	.14	/	—		/		16
17						/	/	.01	.67	—		/		17
18						/	/	.34	.02	—	·16.	/		18
19						.10	/	/	/	—	·20	/		19
20						.04	/	/	/	·02		·06		20
21						.10	.14	/	/	·06	·02	·01		21
22						/	.17	/	/	—	·04	·08		22
23						/	.12	/	/	1·13.		·01		23
24						/	.29	.03	.14	·13		·02		24
25						/	.01	.14	/	·21	·01.	·01		25
26						/	/	/	/	—		/		26
27						/	/	/	·06	·58.		·01		27
28						/	/	/	/	·03.		/		28
29						.04	/	/	/	·07	·01.	·01		29
30		×				.02	/	/	/	·05.	·06	·01		30
31		×		×		×	/	.29	×	·02.	×	/		31 n.p. imp.
TOTAL						1.11	1.67	2.2~~6~~9	2·61.	2·58	0·54	2·31	Year's Total	
* Days with .01 in. or more.						7	1~~3~~2	14 5	13.	14	8	19		
* Days with .04 in. or more.						6	10	11	11	8	5	10.		

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(Signed) H. J. Hammonds jr [P.T.O.

Section **A** for the entry of Daily Observations
Station No. 3605/7.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1937

373579/34

Kept at Castle Park, PENRITH.
in the County of Cumberland.
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft. 0 ~~1½~~ in.
,, Ground ,, Sea Level 490(appr.) ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1						/	/	/	.20	·25		·09		1
2						/	/	.03	/	·01		·02		2
3						/	/	/	/	—		/		3
4						/	.06	.09	.15	—		·18		4
5						/	.03	.05	.01	—		/		5
6						/	.09	/	.11	—		·22		6
7						/	/	/	.02	—	·04	/		7
8						/	/	.01	/	—		·08		8
9						/	.19	.10	/	—		/		9
10						/	.07	/	/	—		·56		10
11						/	/	/	/	—		·11		11
12						/	/	.08	.09	—		·21		12
13						.06	/	.24	.02	·01		·03		13
14						.75	.08	.38	.04	·01		·59		14
15						/	.39	.36	.23	—		/		15
16						/	/	.14	/	—		/		16
17						/	/	.01	.67	—		/		17
18						/	/	.34	.02	—	·16.	/		18
19						.10	/	/	/	—	·20	/		19
20						.04	/	/	/	·02		·06		20
21						.10	.14	/	/	·06	·02	·01		21
22						/	.17	/	/	—	·04	·08		22
23						/	.12	/	/	1·13.		·01		23
24						/	.29	.03	.14	·13		·02		24
25						/	.01	.14	/	·21	·01.	·01		25
26						/	/	/	/	—		/		26
27						/	/	/	·06	·58.		·01		27
28						/	/	/	/	·03.		/		28
29						.04	/	/	/	·07	·01.	·01		29
30		✕				.02	/	/	/	·05.	·06.	·01		30
31		✕		✕		✕	/	.29	✕	·02.	✕	/		31
TOTAL						1.11	1.67	2.29	2·61.	2·58	0·54	2·31	Year's Total	
* Days with .01 in. or more.						7	12	14 5	13.	14	8	19		
* Days with .04 in. or more.						6	10	11	11	8	5	10.		

† Spare column, no entries required.

(*Signed*) H. J. [illegible] jr.

* See Instruction 3 (f) on other side.

[P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3605/4

~~AIR MINISTRY~~.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

Rain day Total Corr. for Arith. err.

mps 1937

f 373579/34

Kept at (CASTLE PARK,) PENRITH.
in the County of CUMBERLAND /1
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft. – in.
,, Ground ,, Sea Level 420(a.b.) ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1		·10				·61	·02		·04		·20	·18		1
2		·02	·01			·40			·04	·41	·42	·10		2
3	·01	·05		·33		·01	·14		·20	1·38	·24			3
4		·04		·03		·04	·14			·34	·01	·61		4
5	·01	·02				·09			·09	·44		·01		5
6	·24					·19	·05	·01	·01	·61		·03		6
7	·14						·69	·14		·26	·10	·04		7
8	·10	·08				·01	·11	·32		·56	·10	·08		8
9	·04	·25				·21	·02			·06		·58		9
10	·02	·01				·05	·12			·28		·04		10
11	·18				·05		·06			·11	·13	·28		11
12	·24				·18			·01		·84	1·24	·04		12
13	·04	·01			·03		·10		·05	·16	·24	·11		13
14	·80				·02					·03		·02		14
15	·26		·09		·09			·33		·08		·24		15
16	·32		·10		·15			·32	·06	·29	·02	·01		16
17					·13			·10	·39	·64				17
18	·05		·05			·04		·04	·08	·22	·45			18
19			·24					·13	·03	·03	·14	·04		19
20	·22		·44					·05	·13		·02	·02		20
21			·03	·03	·01	·05		·29	·11		·36			21
22					·04			·04	·05		·46	·03		22
23	·14				·20	·14		·13	·14		·48	·12		23
24	·34		·02			·03				·30	·15			24
25	·01	·13	·09		·11		1·21			·14	·11	·03		25
26	·12	·14			·09	·40				·41		·09		26
27	·16	·16			·14	·43	·32	·23		·04	·19			27
28	·35	·05	·02		·49	·45	·01				·10	·21		28
29	·11				·29	·11	·31	·12		·01	·28	·11		29
30	·04						·18		·43	·21	·44			30
31	·36				·24			·01		·39		·04.		31
TOTAL	4·42	1·12	1·39	0·39	2·29	3·59	3·48	2·30.	1·91	8·63	5·94	3·15	Year's Total 38·64.	
* Days with .01 in. or more.	24	13	10	3	16	14	15	16	15	25	22	24	20X0	
* Days with .04 in. or more.	20	9	6	1	13	14	12	13.	13.	22.	19	14.	159	

Print

GB 12/2/39

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(Signed) Y. K. Simmonds Jr

THE ENGINEER & SURVEYOR

[P.T.O.

COPY FOR OFFICIAL USE

Station No. ~~3065~~ 3605/Y

Section **A** for the entry of Daily Observations

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at CASTLE PARK PENRITH

in the County of CUMBERLAND

Diameter of Funnel of Gauge 5" in.

Height of top of Gauge above Ground 1 ft. – in.

,, Ground ,, Sea Level 490 abt ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·40	/	·25	/	/	/	·05	/	·02	/	/	·28		1
2	·01	/	·13	·01	/	/	·15	·43	·43	/	/	·10		2
3	/	/	·09	·04	/	/	·04	·16	·12	/	/	·41		3
4	/	/	·54	/	/	/	·30	/	/	/	·14	/		4
5	/	·03	·12	/	·15	/	·36	/	/	/	·68	/		5
6	·20	·04	·12	/	/	/	·26	/	/	·16	·18	·01		6
7	·26	·13	·24	/	/	/	·04	/	/	/	·10	·04		7
8	·49	·31	·14	/	/	/	·05	·04	/	/	·59	·40		8
9	·40	·12	·01	·04	/	/	·04	·52	/	·83	·01	·04		9
10	·04	/	/	/	/	·25	/	·20	·38	·10	/	/		10
11	·01	·22	·35	/	/	·10	/	·04	/	·03	·18	/		11
12	·03	·11	·02	·01	/	/	/	/	·11	·24	·01	/		12
13	·20	/	·02 ~~·01~~	·25	·05	/	·10	/	·10	·04	·04	/		13
14	·41	/	·01 ~~·04~~	·12	·32	·21	·45	/	/	·03	·53	/		14
15	·60	/	·04 ~~·03~~	·04	/	·34	/	/	/	/	·02	/		15
16	·21	·03	·03	·05	/	/	·24	/	/	/	·18	/		16
17	·15	·05	~~·14~~	·11	/	·04	/	/	/	/	/	/		17
18	·21	·12	·14	/	/	·02	·05	/	/	·01	·58	/		18
19	·12	/	/	/	/	/	·44	/	/	/	/	/		19
20	·01	/	/	/	/	·02	/	/	/	/	/	/		20
21	·13	·50	·18	·10	/	/	/	·01	/	/	/	/		21
22	·30	·08	·04	·02	/	/	·01	/	/	·02	·14	/		22
23	·11	·10	/	·22	/	·14	·03	·06	/	·02	/	/		23
24	·13	·20	·11	·03	/	·01	·11	/	/	/	·01	/		24
25	·09	·10	·04	·03	/	·02	/	/	/	/	·58	/		25
26	·01	·06	/	/	/	·21	/	·01	/	·54	·08	/		26
27	/	·45	/	·04	/	·10	·08	·44	/	·13	·11	/		27
28	·01	·14	/	·06	/	·58	·15	·04	/	/	·28	/		28
29	/	/	·04	·10	/	·10	·38	/	/	·28	·09	/		29
30	/	×	·01	/	/	·29	·02	/	/	·02	·43	/		30
31	/	×	/	×	/	×	·35		×	/	×	/		31
													Year's Total	
TOTAL	5·13	2·85	2·82	1·30	·52	2·46	3·44	2·01	1·46	2·51	5·21	1·34	31·35	✓
* Days with .01 in. or more.	24	18	22	14	3	15	22	11	6	14	21	4	180	✓
* Days with .04 in. or more.	18	16	16	12	3	11	18	9	5	8	16	6	138	✓

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) ....

[P.T.O.

COPY FOR OFFICIAL USE

Section A for the entry of Daily Observations

Station No. 3605/7

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 19~~3~~40.

Kept at CASTLE PARK PENRITH

in the County of CUMBERLAND

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. – in.

" Ground " Sea Level 490 (app) ft.

Jan Snow

Jan est'd from nearby stns snow circ sent 30-4-41

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1		/	/	~~·80~~ ·08	/	/	·04	/	/	/	·25	·07		1
2		/	/	·12	/	/	·03	/	/	/	·51	·08		2
3		·09	/	/	/	/	·12	/	/	/	/	·03		3
4		·12	/	·10	/	/	/	/	/	·13	·02	·17		4
5		/	/	/	·31	/	·15	·01	/	·45	/	·67		5
6	·06	·01	/	/	/	/	·10	/	/	·40	·07	·15		6
7	✓	/	/	·16	·13	/	·06	·09	·07	·20	·01	/		7
8		/	/	/	/	/	/	·07	·04	·73	·15	/		8
9		/	·07	/	/	/	·35	·15	·06	·75	·25	·14		9
10		/	·11	/	/	/	·68	·28	/	/	·22	·05		10
11		/	·67	·01	/	/	·82	/	·02	·03	·49	/		11
12		/	·62	/	/	/	/	/	·47	/	/	/		12
13		·03	·04	/	/	/	·12	·03	·16	/	·14	·10		13
14		/	·13	·15	/	/	·11	/	·17	/	/	·15		14
15		/	/	/	·04	/	/	·02	/	/	/	·05		15
16	✓	/	/	/	/	/	1·31	/	1·02	·30	·07	·05		16
17	F	/	·23	/	/	/	·56	·04	·49	·03	·09	·04		17
18	✓ R	/	·41	·03	/	/	·15	·21	·32	/	·07	·24		18
19	O	·12	·26	·07	/	/	·12	/	·35	/	·50	/		19
20	Z	·05	/	·09	/	/	/	·35	·02	·20	·10	/		20
21	E	/	·20	·02	/	·36	·02	/	/	·05	·08	/		21
22		·06	·12	/	·09	·43	/	·02	·28	/	/	/		22
23		·23	/	·05	·07	/	·07	/	·06	/	·16	/		23
24	✓	/	·14	·17	/	/	·02	/	/	/	/	·02		24
25		·01	/	/	·01	·05	/	/	/	/	/	/		25
26	✓	·06	·05	/	·04	/	/	·17	/	/	·08	/		26
27		·02	/	/	/	/	·02	/	/	/	/	/		27
28	✓	/	/	/	/	/	/	·02	/	/	/	·06		28
29		/	·19	·04	·34	/	·01	/	/	/	/	·09		29
30		✕	·02	/	/	/	/	/	/	·59	/	·38		30
31		✕	·19	✕	/	✕	/	/	✕	·22	✕	·06		31
TOTAL	(1·20) ~~3·06~~ ~~3·06~~	·80	3·45	1·09	1·63	·84	4·86	1·46	3·53	4·08	3·26	2·60	Year's Total ~~32·60~~	29·30
* Days with .01 in. or more.	8	11	~~16~~	13	8	3	20	13	~~14~~	13	~~18~~	19	~~142~~	~~156~~
* Days with .04 in. or more.	8	7	15	10	8	3	15	8	12	11	16	17.	~~122~~	130

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*) H. Butt

Acting Surveyor.

[P.T.O.

3606

Section **A** for the entry c

AIR MINISTI

COPY FOR OFFICIAL USE.

FALL ORGANIZATION.

FORM 1090.

REGIS 93 1.

3606

PENRITH

LAUREL BANK

1931 – 40

780703

Kept at LAUREL B

in the County of CUMB

Diameter of Funnel of Gauge

Height of top of Gauge above Gro

,, Ground ,, Sea

THE MORNING MEAS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	—	—	·05	·05	Tr.	·01	·02	—	·22	—	—	—	1
2	—	·04	—	·33	—	·65	·005	—	✓	·07	·36	·65	2
3	—	—	—	·01	—	·04	·08	—	✓	·05	1·93	·20	3
4	—	·06	—	·21	·10	—	—	—	✓	·005	·01	·08	4
5	—	·01	—	—	·12	·31	·10	·13	✓	—	·01	·80	5
6	—	·17	·03	—	—	·23	·82	·01	✓ 0	·34	·26	—	6
7	—	·03	·05	Tr.	·01	·35	—	·38	—	·17	·08	·10	7
8	·03	·05	·025	—	—	·01	·52	·03		·23	·10	·01	8
9	·01	·20	·06	·05	·08	·06	·04	·37	—	·33	·12	Tr	9
10	·03	·14	·04	—	·08	·21	—	·03	—	—	·29	—	10
11	·37	·82	—	·04	·03	·04	·16	—	·14	·01	·27	—	11
12	·10	·02	Tr.	·01	—	—	·25	—	—	·12	·02	—	12
13	—	—	·40	—	·14	·07	—	—	—	—	—	—	13
14	·06	·01	·07	—	·19	1·75	·35	·15	Tr.	—	·25	·02	14
15	Tr.	·25	—	·32	·02	·04	·10	·24	·02	—	—	·01	15
16	·38	·12	—	·18	·01	—	·07	·84	·14	—	—		16
17	—	·10	—	·16	·10	·14	·09	·18	—	—	·08	—	17
18	·15	Tr.	—	·02	—	·11	·01	·005	·06	·005	·28	—	18
19	·04	·07	—	—	—	·03	·18	·47	·04	·03	—	—	19
20	Tr.	·10	—	—	—	—	—	·08	—	—	✓	·03	20
21	·05	·05	·21	·03	·08	·015	—	·18	—	—		Tr.	21
22	·32	·19	·09	·05	·23	·09	·15	—	—	—	✓	—	22
23	·41	·07	—	·10	·07	·19	·01	—	—	·08	✓	·17	23
24	·35	·06	—	·11	·23	—	·01	—	—	—	✓	·04	24
25	·10	·14	—	·25	—	—	·01	—	—	—	✓ 1·34	·005	25
26	·015	·02	—	·15	—	—	—	—	—	—	✓	—	26
27	·13	·01	—	·11	—	·005	·27	—	—	·25	✓	·03	27
28	·33	·01	—	·04	·34	—	·14	—	—	—	✓	·10	28
29	·07	×	—	—	·13	·01	·58	—	—	·35	✓	·005	29
30	·01	×	—	Tr	·22	—	·01	—	—	Tr.	—	—	30
31	·50	×	—	×	—	×	·03	—	×	·03	×	·13	31
TOTAL	3·45	2·74	1·02~~5~~ 3	2·22	2·18	4·36	4·005	3·095	1·62	2·07	5·40	2·38	YEAR'S TOTAL 34·55
*Days with ·01 in. or more.	20	24	10	19	18	~~20~~ 21	23	~~13~~14	11	~~13~~14	23	15	212
*Days with ·04 in. or more.	15	17	8	15	14	15	16	10	8	10	18	9	155

40-9999

(Signed) A B Sinclair [P.T.O.

*See Instruction 2 (*f*) on other side.

3605

Section **A** for the entry of Daily Observations. COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1931.

Kept at LAUREL BANK, PENRITH

in the County of CUMBERLAND

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft 0 in.

,, Ground ,, Sea Level 480 ft.

400

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	—	—	·05	·05	Tr.	·01	·02	—	·22	—	—	—	1
2	—	·04	—	·33	—	·65	·005	—	✓	·07	·36	·65	2
3	—	—	—	·01	—	·04	·08	—	✓	·05	1·93	·20	3
4	—	·06	—	·21	·10	—	—	—	✓	·005	·01	·08	4
5	—	·01	—	—	·12	·31	·10	·13	✓	—	·01	·80	5
6	—	·17	·03	—	—	·23	·82	·01	✓ 0	·34	·26	—	6
7	—	·03	·05	Tr.	·01	·35	—	·38	—	·17	·08	·10	7
8	·03	·05	·025	—	—	·01	·52	·03		·23	·10	·01	8
9	·01	·20	·06	·05	·08	·06	·04	·37	—	·33	·12	Tr	9
10	·03	·14	·04	—	·08	·21	—	·03	—	—	·29	—	10
11	·37	·82	—	·04	·03	·04	·16	—	·14	·01	·27	—	11
12	·10	·02	Tr.	·01	—	—	·25	—	—	·12	·02	—	12
13	—	—	·40	—	·14	·07	—	—	—	—	—	—	13
14	·06	·01	·07	—	·19	1·75	·35	·15	Tr.	—	·25	·02	14
15	Tr.	·25	—	·32	·02	·04	·10	·24	·02	—	—	·01	15
16	·38	·12	—	·18	·01	—	·07	·84	·14	—	—		16
17	—	·10	—	·16	·10	·14	·09	·18	—	—	·08	—	17
18	·15	Tr.	—	·02	—	·11	·01	·005	·06	·005	·28	—	18
19	·04	·07	—	—	—	·03	·18	·47	·04	·03	—	—	19
20	Tr.	·10	—	—	—	—	—	·08	—	—	✓	·03	20
21	·05	·05	·21	·03	·08	·015	—	·18	—	—		Tr.	21
22	·32	·19	·09	·05	·23	·09	·15	—	—	—	✓	—	22
23	·41	·07	—	·10	·07	·19	·01	—	—	·08	✓	·17	23
24	·35	·06	—	·11	·23	—	·01	—	—	—	✓	·04	24
25	·10	·14	—	·25	—	—	·01	—	—	—	✓ 1·34	·005	25
26	·015	·02	—	·15	—	—	—	—	—	—	✓	—	26
27	·13	·01	—	·11	—	·005	·27	—	—	·25	✓	·03	27
28	·33	·01	—	·04	·34	—	·14	—	—	—	✓	·10	28
29	·07	×	—	—	·13	·01	·58	—	—	·35	✓	·005	29
30	·01	×	—	Tr	·22	—	·01	—	—	Tr.	—	—	30
31	·50	×	—	×	—	×	·03	—	×	·03	×	·13	31
TOTAL	3·45	2·74	1·02~~5~~ 3	2·22	2·18	4·36	4·005	3·095	1·62	2·07	5·40	2·38	YEAR'S TOTAL 34·55
*Days with ·01 in. or more.	20	24	10	19	18	~~20~~ 21	23	~~13~~ 14	11	~~13~~ 14	23	15	212
*Days with ·04 in. or more.	15	17	8	15	14	15	16	10	8	10	18	9	155

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*See Instruction 2 (*f*) on other side.

(*Signed*) A B Sinclair

[P.T.O.

3606

Section **A** **for the entry of Daily Observations.** **COPY FOR OFFICIAL USE.**

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932. Station No 3606

~~400~~

Kept at Laurel Bank Penrith

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. — in.

" Ground " Sea Level 480 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·22	·01	—	·18	·01	—	·01	·01	·50	·06	·12	·65	1
2	·60	·01 ~~·005~~	—	Tr.	·14	—	·25	·01 ~~·005~~	·28	·04	·15	·17	2
3	·30	—	—	—	—	—	·04	·04	·12	·02	·12	·21	3
4	·19	—	·04	·01 ~~·005~~	·03	—	·30	·01	·01 ~~·015~~	·03	·01	·05	4
5	·43	—	·28	·02	·04	Tr.	—	✗	✗	—	—	—	5
6	·31	—	·20	·19	·03	—	—		✓	·33	—	—	6
7	·07	—	·33	·10	·29	—	—		✗	·34	—	—	7
8	·01	Tr.	—	·08	·03	—	—	·05	✗ ·12	1·12	—	—	8
9	·97	·05	—	·62	·03	—	—		✗	·56	—	—	9
10	·12	—	·04	·16	—	—	—		✗	·17	—	Tr.	10
11	·01	·04	—	·04	·29	·06	·50	·08	·09	·01	—	—	11
12	·51	—	·02	—	·17	·10	1·73	·015	·03	·25	—	—	12
13	·24	·03	—	·16	·08	—	·12	—	·84	·12	—	·03	13
14	·57	—	—	·08	—	—	—	—	—	—	·01	·05	14
15	·55	—	—	·02	·55	—	—	—	—	·04	·05	·17	15
16	·81	—	—	—	—	—	·015	—	—	·06	—	1·07	16
17	·02	—	—	—	·10	—	·11	Tr.	·01	·55	—	·17	17
18		—	—	—	·08	—	—	—	·02	Tr ~~·005~~	—	·02	18
19	Tr ~~·005~~	—	·13	·21	·06	—	·02	—	—	·05	Tr ~~·005~~	·03	19
20	—	—	·02	·48	·02	—	—	·37	—	·12	·07	·08	20
21	·03	—	·55	·13	—	—	·03	·19	—	·75	·10	·13	21
22	·05	—	·10	·20	—	—	·20	—	—	·08	·59	·15	22
23	—	Tr.	—	·03	·01	—	·05	—	·01 ~~·005~~	·07	·22	·12	23
24	—	—	·01	·01	·01 ~~·015~~	—	·19	—	·15	—	·01	·01 ~~·005~~	24
25	—	·01	—	·10	·12	·01	·15	·01	·20	·41	·18	—	25
26	—	—	·02	—	·09	Tr ~~·005~~	·30	—	·21	·12	·08	—	26
27	—	Tr.	·38	·06	Tr.	·75	·30	—	—	·01	·16	·01	27
28	—	—	·08	·03	·37	·02	·07	·02	—	·01	·01	·02	28
29	Tr	—	·80	·07	·04	·05	·38	·20	—	·31	·17	·13	29
30	—	×	·07	·07	—	·69	·12	·08	·48	·07	·12	—	30
31	—	×	—	×	—	×	·37	·02	×	·01 ~~·005~~	×	·14	31
TOTAL	6·015	·15 ~~·115~~	3·07	3·05 ~~3·045~~	2·625	1·69 ~~1·685~~	5·255	1·10	4·07	5·70	2·175	3·41 ~~3·405~~	YEAR'S TOTAL 38·290
*Days with ·01 in. or more.	19	6 ~~5~~	16	23 ~~22~~	22	7	21	12	20	27 ~~26~~	17	20 ~~19~~	210
*Days with ·04 in. or more.	15	2	12	17	14	5	17 ~~16~~	6	14	21	13	14	150

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(Signed)

P.T.O.

*See Instruction 2 (*f*) on other side.

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COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. **Station No** 3606

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Kept at Laurel Bank

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft — in.

" Ground " Sea Level ~~4~~80 ft.

400

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

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Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·22	·17	·12	—	—	—	—	—	—	—	·23	—	1
2	·86	·01	·03	·005	—	·31	—	·01	—	—	—	—	2
3	·10	·27	·10	,	·20	—	—	—	—	—	·07	—	3
4	·66	·23	·25	—	·17	—	—	—	—	—	·02	—	4
5	·12	·29	·42	—	·01	—	—	—	—	—	·01	—	5
6	·01	·12	·22	—	·82	—	—	—	—	—	—	·02	6
7	·05	·23	—	—	·12	—	·47	—	—	·50	—	—	7
8	·04	·02	·06	·22	·01	·07	·11	·01	—	·17	Tr	—	8
9	—	·60	—	·005	·11	—	·23	—	—	·39	—	—	9
10	·10	·06	—	—	·01	·17	·14	—	—	·19	·06	·02	10
11	—	—	—	·04	—	—	·15	—	—	·33		·03	11
12	·01	—	—	—	— ~~·01~~	·04	·05	Tr.	—	·02		·02	12
13	Tr.	—	·08	—	·09	—	·20	·20	·02	·26	·18	—	13
14	·35	—	·09	—	·09 ~~·025~~	—	·03	·03	—	·03	·58	Tr	14
15	·08	—	·12	—	·02 ~~·14~~	·08	·12	·03	—	·49	·10	Tr	15
16	·01	—	·25	·13	·14 ~~·02~~	·10	—	·01	—	·04	·06	Tr	16
17	·07	—	·31	·01	·02 ~~·25~~	·30	—	·05	·10	·01	·08	Tr.	17
18	.	·05	·18	—	— ~~·01~~	·20	·05	·05	—	—	·03	·009	18
19		—	·06	—	— ~~·11~~	·15	—	Tr	·28	—	·22	·01	19
20		·05	—	—	·25 ~~·11~~	·12	—	·17	·01	·01	—	—	20
21		·01	—	—	·21 ~~·34~~	·10	—	·13	Tr.	Tr	—	·01	21
22		—	—	—	·11	·04	—	Tr	—	·12	·01	Tr.	22
23		—	—	—	—	·07	—	—	·04	·01	—	·10	23
24		—	—	·30	·34	—	—	—	·09	—	·02	·04	24
25		1·01	—	·04	·02	—	—	—	·82	·23	—	—	25
26		·50	—	·05	—	—	—	—	·10	·01	—	—	26
27		·03	—	·03	·03	—	·72	—	—	·01	—	—	27
28		—	—	—	·01	—	·05	·85	—	·28	—	·02	28
29		.	·06	·06	—	—	·06	·09	—	·17	—	·01	29
30	·0·7	×	—	·16	—	—	·22	·17	—	·04	—	·11	30
31	1·28	×	·02	×	·01	×	·10	—	×	·02	×	·05	31
TOTAL	4·03 ✓	3·65 ✓	2·37 ✓	1·05 ✓	2·59 ✓	1·75 ✓	2·70 ✓	1·80 ✓	1·46 ✓	3·33 ✓	1·67 ✓	·53 ✓	YEAR'S TOTAL 26·93 ✓
*Days with ·01 in. or more.	16 ✓	16 ✓	16 ✓	10 ✓	21 ✓	13 ✓	15 ✓	13 ✓	8 ✓	21 ✓	14 ✓	13 ✓	176
*Days with .04 in. or more.	13 ✓	12 ✓	14 ✓	8 ✓	10 11	13 ✓	14 ✓	8 ✓	6 ✓	13 ✓	9 ✓	~~3~~ 5	12~~3~~5

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*See Instruction 2 (*f*) on other side.

(*Signed*) A B Sinclair

P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3606

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

Kept at Laurel Bank Penrith
in the County of Cumberland
Diameter of Funnel of Gauge 5" in.
Height of top of Gauge above Ground 1 ft — in.
,, Ground ,, Sea Level 480 ft.

400

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

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Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·04	—	·02	—	Tr.	—	—	·10	·05	—	—	·20		1
2	·01	·03	·16	—	—	—	—	·28	·12	—	·10	·22		2
3	·16	·02	·02	—	·02	—	—	—	—	·19	·10	·10		3
4	·26	—	·09	Tr	—	—	—	—	·03	·33	·01	·62		4
5	·04	—	·16	—	·35	—	—	·09	—	·14	Tr.	·10		5
6	·14	—	·03	·20	·51	·04	—	·12	·21	·25	—	·09		6
7	·45	·14	·07	·15	·01	·02	—	—	·02	·07	—	·25		7
8	Tr.	—	Tr.	—	·10	·04	—	Tr.	Tr.	·33	—	·26		8
9	·08	·01	—	·24	—	—	—	·16	·06	·06	·02	·33		9
10	·56	—	·02	·03	—	—	—	·28	Tr.	·03	·03	·03		10
11	·02	—	·02	·72	—	—	—	·04	—	—	·06	·02		11
12	·24	—	·03	·57	—	—	—	·10	—	Tr.	—	·10		12
13	·01	—	—	·17	·08	—	1·10	·03	—	·02	Tr.	·05		13
14	·46	—	·33	Tr.	·01	·07	—	—	—	·18	Tr.	·20		14
15	·22	—	·10	—	·31	·02	—	—	·20	·25	—	·24		15
16	·40	—	·70	—	·23	—	—	—	—	Tr.	Tr.	·03		16
17	·18	—	·18	—	·38	—	·34	—	·50	·01	·02	·27		17
18	·40	—	·07	·10	·37	·20	—	·08	·05	—	—	·35		18
19	—	—	·06	·16	·20	·15	·03	·02	·07	·03	—	·01		19
20	·01	—	·01	·14	·10	Tr.	Tr.	·20	·09	·02	·02	—		20
21	—	—	·02	·015	·01	·40	—	·26	·18	·10	—	—		21
22	—	—	·03	·01	—	·16	—	·13	·30	·15	·01	—		22
23	—	—	·04	·20	—	—	·03	·07	—	·45	·06	·03		23
24	—	·02	—	·27	·16	·11	—	—	·31	·58	—	Tr.		24
25	·04	Tr.	·01	·20	·02	—	·05	—	·14	·92	·01	·48		25
26	·06		—	·08	—	·11	·02	—	·16	·59	—	·20		26
27	—		—	·02	—	·46	·03	·03	·04	·20	·01	·49		27
28	—		·01	·20	—	·36	·08	·34	·02	·03	—	·54		28
29	—		—	—	—	—	·07	·13	·16	·12	—	·02		29
30	·64	×	—	—	—	—	—	Tr.	·96	·25	—	·50		30
31	·04	×	—	×	—	×	—	Tr.	×	—	×	·09		31
TOTAL	4·46	·22	2·18	3·47~~5~~	2·86	2·14	1·75	2·46	3·67	5·30	·45	5·82	Year's Total. 34·78~~5~~	34·78
* Days with .01 in. or more.	22	5	22	18	16	13	9	18	20	24	12	27	206	
* Days with .04 in. or more.	18	1	11	14	11	11	5	15	17	18	4	21	146	

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† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(*Signed*) A B Sinclair

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3606

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at Penrith (Laurel Bank)

in the County of Cumberland

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

,, Ground ,, Sea Level .... ft.

400

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

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	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·72	·14	·07	—	—	—	·36	—	·45	·04	·06	·18		1
2	—	·03	·04	—	—	·03	·01	—	·40	·22	·06	·01		2
3	Tr.	·27	·04	Tr.	—	·04	·01	—	·12	—	·32	·04		3
4	—	·02	·13	·02	—	·43	·06	—	·17	·35	Tr.	·03		4
5	—	·25	·04	—	—	·10	—	—	·18	·06	·10	·10		5
6	·01	—	·01	—	—	·20	—	—	—	·10	·08	—		6
7	Tr.	—	—	·20	—	—	—	—	—	·26	·04	·08		7
8	—	—	—	·18	—	—	—	·08	—	·12	·01	·17		8
9	·02	—	—	·56	—	—	—	—	—	·56	·13	Tr.		9
10	·15	·14	—	·63	—	—	—	—	—	·18	·10	—		10
11	·55	·09	—	·05	—	—	—	·18	—	·21	·18	—		11
12	—	·10	—	—	—	1·53	—	—	·08	·06	·02	—		12
13	·12	·10	—	·03	·25	·20	—	—	·33	·05	·03	—		13
14	—	·02	—	—	·01	—	—	Tr.	·25	Tr.	·21	·05		14
15	Tr.	1·05	—	·25	·20	—	—	—	·45	·21	·04	·25		15
16	·02	·84	·10	·58	·36	—	·14	·01	·44	Tr.	·10	—		16
17	—	Tr.	Tr.	·32	—	—	—	Tr.	·15	·04	·38	—		17
18	—	·10	—	—	—	Tr.	·01	·07	·14	·70	·08	—		18
19	—	·30	—	·04	—	·08	·46	—	·01	·34	·08	—		19
20	Tr.	·60	—	·27	—	·05	·02	—	—	—	·20	—		20
21	—	·09	·10	·01	—	—	—	—	·84	·06	·02	·02		21
22	—	·11	·20	·10	—	—	—	—	Tr.	—	·02	—		22
23	·02	—	·05	·02	—	·07	Tr.	·25	—	·51	—	—		23
24	·29	·26	·10	—	—	—	—	—	·50	·05	—	·15		24
25	·21	—	·04	—	—	·01	—	—	—	·26	·14	·10		25
26	—	—	—	—	—	·42	·01	·76	·17	·10	·02	·16		26
27	—	·19	—	—	—	—	·08	—	·12	·30	·28	·10		27
28	Tr.	·15	—	—	—	—	—	—	·14	·38	·10	·01		28
29	—		·18	—	—	·02	—	·06	·15	·32	·19	·22		29
30	—	×	Tr.	—	—	·20	—	·20	·62	·90	·57	·04		30
31	·07	×	—	×	—	×	—	·02	×	·38	×	·40		31
													Year's Total.	
TOTAL	2·18	4·85	1·10	3·26	·82	3·38	1·16	1·63	5·71	6·76	3·56	2·11	36·52	
* Days with .01 in. or more.	11	20	13	15	4	14	10	9	20	26	27	18	187	
* Days with .04 in. or more.	7	17	12	11	3	11	5	7	19	26	21	14	153	

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* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(*Signed*) A. R. Sinclair

P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3606

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1936

Kept at Laurel Bank Penrith

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. in.

,, Ground ,, Sea Level 480 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

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	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·11	·06	·14	Tr.	—	·10	·25	·15	·17	—	·07	·10		1
2	·03	·02	—	—	—	·07	·11	·03	·12	—	·06	·04		2
3	Tr.	—	—	—	—	·25	—	·02	·43	—	Tr.	·18		3
4	·19	—	·06	—	—	—	·07	·08	·35	—	·35	·51		4
5	·18	—	·05	—	—	·02	—	·29	·08	—	·26	·30		5
6	·10	—	·01	Tr.	Tr.	·02	·23	·25	·46	—	·08	—		6
7	·01	—	·04	—	—	—	·01	—	·26	—	·50	·13		7
8	·15	—	·28	—	—	—	—	—	—	—	·19	—		8
9	1·06	—	·07	—	—	—	—	·09	·30	·01	·42	—		9
10	·53	—	Tr.	—	—	—	·30	—	—	Tr.	·33	—		10
11	—	—	—	·06	—	·01	·06	·10	·04	—	·40	·10		11
12	—	—	—	·12	·02	·05	·08	·02	·35	—	·03	·15		12
13	—	—	—	·07	—	—	·03	—	·01	·05	·05	1·33		13
14	—	—	—	·06	—	·21	·02	·01	·11	—	·18	·65		14
15	—	—	·03	·02	—	·07	·05	·16	Tr.	·08	·30	·50		15
16	—	Tr.	·07	—	—	—	·02	—	—	·15	·30	·04		16
17	·14	·37	Tr	·05	·01	—	·12	—	—	·37	·14	·42		17
18	—	·25	—	·02	—	—	·22	·12	—	·25	—	·06		18
19	·02	·22	·01	—	—	—	·25	·03	—	·11	—	·10		19
20	·20	·20	·05	·04	—	·02	·22	—	—	·01	—	·02		20
21	·02	·09	·10	—	—	·30	—	—	—	·01	—	·10		21
22	·15	·50	·01	·04	·01	·36	·08	—	—	—	—	—		22
23	—	·16		·03	—	—	·60	—	—	·05	—	—		23
24	·01	Tr.		·06	·45	·15	·64	—	·84	·89	Tr.	—		24
25	·32	—	·07	·13	—	—	·10	—	·32	·34	—	—		25
26	·29	·13		·01	—	—	Tr	—	·07	·59	—	—		26
27	·20	·02		—	—	—	—	—	·05	·66	—	—		27
28	·11	·15	·06	—	—	—	·69	—	—	—	—	Tr.		28
29	Tr.	·15	·25	—	·60	1·02	—	—	—	·20	·01	·01		29
30	·06	✕	·05	—	—	·05	·09	—	—	·20	·07	·18		30
31	·04	✕	·12	✕	·03	✕	·01	—	✕	—	✕	·40		31
													Year's Total	
TOTAL	3·92	2·32	1·47	·71	1·12	2·70	4·25	1·35	3·90	3·97	3·74	5·32	34·77	✓
* Days with .01 in. or more.	21	13	18	13	6	15	23	13	16	16	18	20	192	✓
* Days with .04 in. or more.	16	11	14	10	2	11	18	8	15	13	16	18	152	✓

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) A R Sinclair [P.T.O.

COPY FOR OFFICIAL USE

Section A for the entry of Daily Observations

Station No. 3606

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1937

Kept at Laurel Bank Penrith
in the County of Cumberland
Diameter of Funnel of Gauge 5" in.
Height of top of Gauge above Ground 1 ft. in.
,, Ground ,, Sea Level 480 ft.

Ack

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ✓

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·04	—	·25	—	—	—	·04	—	·21	·25	—	·07		1
2	·15	·20	Tr.	·25	—	·04	—	—	·01	·02	—	·02		2
3	·03	·35	·05	·02	·05	·12	·06	·05	—	—	—	·01		3
4	·56	·05	·02	·36	·10	Tr.	·04	·05	·28	—	—	·20		4
5	·59	·01	·01	·17	·01	·02	·09	—	·61	—	—	·29		5
6	·03	—	—	·05	·04	Tr.	—	—	·10	Tr.	—	—		6
7	·08	·05	·01	·12	·01	Tr.	Tr.	—	—	—	·04	—		7
8	—	·32	·01	·03	—	+	·17	·01	Tr.	—	—	—		8
9	·01	·04	—	·12	·06	+	·02	·09	—	—	—	—		9
10	·02	·17	—	—	·09	✓	·03	—	Tr.	—	—	·70		10
11	·01	—	·02	Tr.	Tr.		Tr.	—	·08	—	—	·15		11
12	·40	·29	·05	·02	·02	+	—	·09	·03	—	—	·65		12
13	—	·03	—	Tr.	—	·93	—	·27	—	—	—	·35		13
14	—	·06	—	—	—		·08	·40	·06	·01	—	·38		14
15	·25	·48	·04	·18	—		·39	·34	·25	—	—	—		15
16	·02	·20	·48	·41	—		—	·15	—	—	—	—		16
17	·30	·03	·10	·10	—		—	·02	·67	—	—	—		17
18	—	·10	·09	·01	—	+	—	·38	·04	—	·12	—		18
19	—	·21	·03	·01	·02	·05	—	·02	—	—	·02	—		19
20	·55	·05	·01	·01	·67	·10	·04	—	·10	·01	·13	—		20
21	·27	·02	·07	·08	·17	—	·27	—	—	·05	·03	·08		21
22	·16	—	·07	·01	·15	—	·12	—	—	·01	·05	·08		22
23	·17	—	·03	—	·04	—	·25	—	—	1·08	—	·02		23
24	·19	—	—	—	·02	—	·03	—	·11	·14	—	·03		24
25	·02	·31	·03	—	—	—	—	·02	—	·18	—	·01		25
26	—	·34	·09	—	·46	—	—	—	Tr.	—	—	—		26
27	—	1·66	—	·17	—	—	—	—	·06	·58	—	—		27
28	—	—	—	—	—	·04	—	—	—	·03	—	·01		28
29	·03		—	—	—	·02	—	Tr.	—	·05	Tr.	·02		29
30	·04	✕	—	—	—	Tr.	—	·20	Tr.	—	·04	·01		30
31	·20	✕	—	✕	·01	✕	—	·30	✕	·06	✕	·01		31
TOTAL	4·12	4·97	1·46	2·12	1·92	1·32	1·63	2·39	2·61	2·47	·43	3·09	Year's Total 28·53	✓
* Days with .01 in. or more.	23	21	19	18	16	~~8~~ 13	14	15	14	13	7	19	~~187~~ 192	✓
* Days with .04 in. or more.	15	17	9	11	10	~~5~~ 10	1~~8~~1	11	12	8	5	10	12~~8~~9	✓

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*) A B Sinclair [P.T.O.

COPY FOR OFFICIAL USE

Section A for the entry of Daily Observations — Station No. 3606

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

Kept at Whin Brow Penrith

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. in.

,, Ground ,, Sea Level 500 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	—	·14	·01	—	—	·60	·02	—	·05	—	·22	·16		1
2	Tr.	·02	—	·32	—	·42	·01	—	·07	·78	·42	·10		2
3	Tr.	·05	—	—	—	·01	·15	—	·17	1·47	·23	—		3
4	Tr.	·05	—	·03	—	·05	·04	—	—	·35	·01	·61		4
5	·01	·03	—	—	—	·10	·11	Tr.	·06	·50	—	·01		5
6	·26	—	—	—	—	·22	·04	Tr.	·01	·59	—	·04		6
7	·13	—	—	—	—	—	·67	·07	—	·25	·06	·05		7
8	·05	·04	—	—	Tr.	Tr.	·13	·24	—	·55	·11	·08		8
9	·09	·30	Tr.	—	Tr.	·20	·03	—	—	·07	—	·60		9
10	—	—	—	—	—	·03	·10	—	—	·25	Tr.	·05		10
11	·19	·01	—	—	·05	Tr	·05	—	—	·10	·12	·28		11
12	·25	—	—	—	·13	Tr.	·01	·01	—	·77	1·38	·04		12
13	·04	Tr.	—	—	·06	—	·10	Tr.	·05	·15	·28	·11		13
14	·84	·02	Tr.	—	·02	—	—	—	—	·04	—	·01		14
15	·27	—	·07	—	·10	—	—	·30	·02	·10	—	·30		15
16	·33	—	·11	—	·12	—	—	·35	·07	·24	·02	Tr.		16
17	—	—	Tr.	—	·10	—	—	·10	·40	·60	—	—		17
18	—	—	·04	—	Tr.	·05	—	·10	·05	·22	·43	—		18
19	·05	—	·25	—	—	—	Tr.	·15	·03	·02	·12	·06		19
20	·24	—	·70	—	—	—	—	·06	·11	—	·02	·04		20
21	—	—	—	Tr.	Tr.	·06	—	·37	·10	—	·36	·02		21
22	Tr.	—	—	—	·03	Tr.	—	—	Tr.	—	·40	·01		22
23	·18	—	—	—	·20	·11	—	·03	·01	—	·60	—		23
24	·33	—	·10	—	—	·05	—	·11	·15	·30	·16	—		24
25	·03	·13	·05	Tr	·10	—	1·18	—	—	·18	·08	·08		25
26	·10	·20	·08	—	·07	·39	—	—	—	·40	Tr.	·06		26
27	·15	·15	—	—	·14	·50	·35	·21	—	·05	·18	Tr.		27
28	·41	·05	·02	—	·50	·80	·03	·11	·01	·01	·10	·20		28
29	·11		Tr.	—	·30	·10	·35	—	—	·02	·33	·11		29
30	·05	✕	—	—	—	Tr.	·18	—	·40	·20	·45	·03		30
31	·40	✕	Tr.	✕	·26	✕	—	Tr.	✕	·35	✕	1·00		31
TOTAL	4·51	1·19	1·43	·35	2·18	3·69	3·55	2·21	1·76	8·56	6·08	4·05	Year's Total 39·56	✓
* Days with .01 in. or more.	22	13	10	2	15	16	18	14	17	26	22	24	199	✓
* Days with .04 in. or more.	20	8	8	1	13	14	13	12	12	23	19	19	162	✓

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) ....

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3606

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1939.

Kept at Whin Brow Arthurst. Penrith

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. in.

,, Ground ,, Sea Level 500 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·13	—	·30	—	—	—	·03	·02	·02	Tr.	—	·25		1
2	·02	—	·12	·03	—	—	·20	·40	·72	—	·12	·07		2
3	—	—	·05	·02	—	—	·04	·10	·13	—	·06	·37		3
4	—	—	·60	—	—	—	·30	·01	·02	Tr.	·04	·03		4
5	—	·05	·09	—	·15	—	·38	Tr.	—	·16	·68	Tr		5
6	·20	·07	·07	—	—	—	·26	—	Tr.	·01	·18	—		6
7	·25	·12	·29	—	—	—	·05	—	·03	—	·08	·02		7
8	·50	·32	·18	·03	—	—	·15	·13	·01	·02	·62	·38		8
9	·40	·12	—	—	—	—	·05	·42	Tr.	·77	·01	·10		9
10	·03	·02	Tr	—	—	·23	Tr	·23	·35	·10	·04	·01		10
11	·02	·19	·35	—	—	·09	—	·01	Tr	·02	·10	—		11
12	·06	·18	—	·02	—	—	Tr	·06	·10	·30	·01	—		12
13	·11	—	·02	·20	·14	·02	·10	—	·09	·04	·05	—		13
14	·80	·02	·02	·15	·23	·21	·45	—	—	·03	·50	—		14
15	·65	—	·07	·09	·01	·33	—	—	—	—	·10	—		15
16	·58	·02	·03	·05	·02	—	·37	—	—	—	·08	—		16
17	·22	·05	—	·11	—	·04	Tr	—	—	—	·03	—		17
18	·13	·12	·15	—	—	·01	·05	—	—	Tr	·57	—		18
19	·11	—	—	—	—	·02	·53	—	—	—	—	—		19
20	·01	—	—	—	·01	·04	·01	—	—	—	—	—		20
21	·13	·52	·15	·10	—	—	Tr.	·01	—	Tr.	—	—		21
22	·30	·08	·05	—	—	—	·01	—	—	·02	·12	—		22
23	·09	·10	·04	·18	—	·15	·03	·06	—	·01	·01	—		23
24	·20	·19	·10	·05	—	·01	·04	—	—	—	—	—		24
25	·10	·05	·01	·05	—	·02	·01	·01	—	—	·60	Tr		25
26	·02	·02	—	·01	—	·12	—	·42	—	·62	·04	—		26
27	Tr	·47	·05	·02	—	·10	·02	—	—	·13	·08	·03		27
28	Tr	·10	·05	·09	—	·52	·17	·10	—	—	·29	—		28
29	—		·02	—	—	·10	·37	—	—	·28	·10	—		29
30	—	×	—	—	—	·38	·02	—	—	·02	·76	—		30
31	—	×	—	×	—	×	·39	—	×	·01	×	—		31
TOTAL	5·06	2·81	2·81	1·20	·56	2·39	4·03	1·98	1·47	2·56	~~6~~5·16	1·26	Year's Total. 31·29	✓
* Days with .01 in. or more.	23	20	22	16	6	17	24	14	9	16	25	9	201	✓
* Days with .04 in. or more.	18	16	17	10	3	12	17	9	5	8	20	5	140	✓

40-9999

† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(*Signed*) A B Sinclair

P.T.O.

PENRITH (ARTHUR STREET)

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3606

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 19~~3~~40

Kept at Whin Brow Penrith

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. in.

,, Ground ,, Sea Level 500 ft.

Accs.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	—	—	—	·18	·01	—	·02	—	—	—	·25	·11		1
2	—	—	—	·06	—	—	·05	—	—	—	·55	·03		2
3	—	·05	—	·11	—	—	·08	—	—	—	—	·03		3
4	—	·10	—	·03	—	—	·10	—	—	·12	·02	·18		4
5	—	—	—	—	·32	—	·03	—	—	·42	·03	·67		5
6	·02	—	—	Tr.	—	—	·08	·03	—	·52	·03	·14		6
7	·06	·16	—	·17	·10	—	·12	·09	·07	·05	·01	Tr.		7
8	Tr.	—	·03	—	—	—	—	·11	·05	·62	·05	·05		8
9	—	—	·05	—	—	—	·30	·13	·05	·89	·35	·13		9
10	—	Tr.	·11	—	—	—	·74	·30	—	·02	·20	·05		10
11	—	—	·70	·01	—	—	·86	—	·02	—	·53	—		11
12	—	—	·66	—	—	—	·01	·05	·46	—	·01	—		12
13	—	—	·08	—	—	—	·11	—	·15	—	·05	—		13
14	—	·10	·10	·16	—	—	·10	·03	·15	—	Tr.	·23		14
15	Tr.	—	·03	—	·04	—	·01	—	—	—	·14	·09		15
16	·17	—	—	—	—	—	1·38	—	·98	·33	Tr.	·09		16
17	—	—	·26	—	—	—	·60	Tr.	·54	·03	·27	·02		17
18	·06	Tr.	·34	Tr.	—	—	·13	·23	·32	—	—	·25		18
19	·20	·11	·35	·10	—	—	·17	—	·35	—	·31	—		19
20	—	—	·29	·08	—	—	·02	·37	·06	·24	·15	—		20
21	—	—	·18	·03	—	·30	·02	·02	·01	Tr.	·07	—		21
22	—	·05	·11	—	·09	·34	—	—	·25	—	—	—		22
23	—	·10	·05	·10	·05	—	—	—	·07	·01	·15	—		23
24	·15	·01	—	·11	—	—	·02	—	—	Tr.	—	·02		24
25	—	—	·07	—	·59	·04	—	Tr.	—	—	—	—		25
26	·35	·07	·06	—	·04	·03	·01	·19	Tr.	—	·08	—		26
27	·68 }	·01	—	·01	—	—	·02	—	—	—	·01	—		27
28		—	—	—	Tr.	—	—	·02	—	—	—	·03		28
29	—	—	·20	·04	·36	—	·02	—	—	·01	Tr.	·15		29
30	—	✕	·02	—	·01	—	—	—	—	·58	—	·42		30
31	—	✕	·14	✕	Tr.	✕	—	—	✕	·22	✕	·01		31
													Year's Total	
TOTAL	1·69	·76	3·83	1·18	1·61	·71	5·00	1·57	3·53	4·06	3·26	2·70	2990	✓
* Days with .01 in. or more.	8	10	20	14	10	4	24	12	15	14	20	19	170	
* Days with .04 in. or more.	7	8	17	10	8	3	14	8	13	10	14	13	125	

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*) A B Sinclair

[P.T.O.

Section **A** for the entr

AIR MINI

FOR OFFICIAL USE.

AINFALL ORGANIZATION.

3607

232

FORM 1000.

REG 1931.

3607

NEWTOWN RIGG

1931 - 40

780703

Kept at Newton

in the County of C'lan

Diameter of Funnel of Gauge

Height of top of Gauge above G

,, Ground ,, S

THE MORNING ME S DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1													1
2													2
3									·47		2·10		3
4													4
5												·81	5
6							·66						6
7													7
8							·66						8
9													9
10													10
11		·80											11
12													12
13			·53										13
14						2·13							14
15													15
16	·45							·95					16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25				·30									25
26													26
27													27
28													28
29										·47			29
30		✕											30
31		✕		✕		✕			✕		✕		31
TOTAL	3·79 ✓	3·07 ✓	0·92	2·59	3·10 ✓	5·60 ✓	4·33 ✓	3·30 ✓	1·83 ✓	2·11 ✓	6·07 ✓	2·38 ✓	YEAR'S TOTAL 39·09
*Days with ·01 in. or more.	21	23	7	18	18	17	23	12	12	15	22	15	203
*Days with ·04 in. or more.	17	16	5	13	15	16	16	10	8	11	19	9	155
40-9999	96.3	78.0	23.4	65.8	78.7	142.2	110.0	83.8	46.5	53.6	154.2	60.5	993.0

(Signed) [P.T.O.

*See Instruction 2 (*f*) on other side.

3607

Section **A** for the entry of Daily Observations.

FOR OFFICIAL USE.

232

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1000.

REGISTER OF RAINFALL IN 1931.

Kept at Newton Rigg
in the County of C'land

Diameter of Funnel of Gauge..................in.
Height of top of Gauge above Ground..........ft..........in.
,, Ground ,, Sea Level 254 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1													1
2													2
3									·47		2·10		3
4													4
5												·81	5
6							·66						6
7													7
8							·66						8
9													9
10													10
11		·80											11
12													12
13			53										13
14						2·13							14
15													15
16	·45							·95					16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25				·30									25
26													26
27													27
28													28
29		×								·47			29
30		×											30
31		×		×		×			×		×		31
TOTAL	3·79	3·07	0 92	2·59	3·10	5·60	4·33	3·30	1·83	2·11	6·07	2·38	YEAR'S TOTAL 39·09
*Days with ·01 in. or more.	21	23	7	18	18	17	23	12	12	15	22	15	203
*Days with ·04 in. or more.	17	16	5	13	15	16	16	10	8	11	19	9	155
40-9999	96.3	78.0	23.4	65.8	78.7	142.2	110.0	83.8	46.5	53.6	154.2	60.5	993.0

(Signed)............................ [P.T.O.

*See Instruction 2 (*f*) on other side.

3607

232

Section **A** for the entry of Daily Observations. FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1

REGISTER OF RAINFALL IN 1932.

Kept at Newton Rigg

in the County of Cumberland

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

,, Ground ,, Sea Level 254 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8										1·01			8
9		·05		·58									9
10													10
11													11
12							1·75						12
13									80				13
14													14
15													15
16	1·04											1·06	16
17													17
18													18
19													19
20													20
21													21
22											·58		22
23													23
24													24
25													25
26													26
27													27
28													28
29			·84					·32					29
30		✕				·18							30
31		✕		✕		✕			✕		✕		31
TOTAL	5·81	0·12	3·12	2·92	2·68	0·76	5·20	1·16	4·34	5·93	2·29	3·31	YEAR'S TOTAL 37·64
*Days with ·01 in. or more.	20	6	17	23	21	10	21	14	21	27	16	20	216
*Days with ·04 in. or more.	16	1	11	16	14	8	17	7	15	23	13	15	156
40-9999	147·6	3·0	79·2	74·2	68·1	19·3	132·1	29·5	110·2	150·6	58·2	84·1	

(Signed) ....

[P.T.O.

*See Instruction 2 (*f*) on other side.

3607

Section **A** for the entry of Daily Observations.

COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM

REGISTER OF RAINFALL IN 1933.

232

Kept at Newton Rigg

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft 0 in.

,, Ground ,, Sea Level 559 ft.

24.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1													1
2													2
3													3
4													4
5			·30										5
6					·85								6
7							·44			·53			7
8													8
9													9
10													10
11													11
12													12
13													13
14											·61		14
15													15
16													16
17						·32							17
18													18
19													19
20													20
21													21
22													22
23													23
24				·34									24
25		·71							87				25
26													26
27													27
28								·83					28
29													29
30		×										·11	30
31	1·00	×		×		×			×		×		31
TOTAL	3·57	3·65	2·27	1·22	2·79	1·62	2·34	1·81	1·41	3·41	1·76	0·46	YEAR'S TOTAL 26·31
*Days with ·01 in. or more.	15	18	18	15	20	14	15	14	7	17	16	13	182
*Days with ·04 in. or more.	13	13	14	5	12	12	13	8	6	12	9	5	122

40-9999 90·7

*See Instruction 2 (*f*) on other side.

(Signed)

P.T.O.

3607

Section **A** for the entry of Daily Observations. COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090

REGISTER OF RAINFALL IN 1934.

~~232~~

Kept at Newton Rigg

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft 0 in.

,, Ground ,, Sea Level 559 ft.

24

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1													1
2											·12		2
3													3
4												·64	4
5													5
6					·55								6
7		·11											7
8													8
9													9
10								·32					10
11				·70									11
12													12
13							·88						13
14	·54												14
15													15
16			·73										16
17													17
18													18
19													19
20													20
21						·43							21
22													22
23													23
24										·66			24
25													25
26													26
27													27
28								·32					28
29		×											29
30		×							·79				30
31		×		×		×			×		×		31
TOTAL	3·58	0·22	2·19	3·24	3·01	2·32	1·72	2·66	3·35	6·04	0·58	6·13	YEAR'S TOTAL 34·04
*Days with ·01 in. or more.	20	8	23	21	18	14	14	20 ~~22~~	22	23	~~15~~	26	224
*Days with ·04 in. or more.	17	2	12	12	11	11.	7	16 ~~18~~.	17	21.	5	20.	151

40-9999

(Signed)................ [P.T.O.

*See Instruction 2 (*f*) on other side.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. ~~[illegible]~~ 3607

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at Newton Rigg
in the County of Cumberland.
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft 0 in.
,, Ground ,, Sea Level 559 ft.

~~100~~
24. [illegible]

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	0.56													1
2														2
3														3
4														4
5														5
6						·30								6
7														7
8														8
9														9
10														10
11														11
12														12
13														13
14														14
15		·94												15
16				·64	·33									16
17														17
18														18
19							·52							19
20														20
21									·77					21
22			·20											22
23														23
24														24
25						·30								25
26								·91						26
27														27
28														28
29														29
30		×								·63	·49			30
31		×		×		×			×		×	·50		31
TOTAL	1·89	4·49	1·03	3·17	0·88	3·28	1·33	1·79	5·68	5·98	3·75	2·29	Year's Total 35·56	
*Days with ·01 in. or more.	17	24	14	15	4	23	9	9	22	25	25	19	206	
*Days with ·04 in. or more.	7	20	10	12	3	19	5	6	19	24	20	15	160	

† Spare column, no entries required.

40-9999

*See Instruction 2(f) on other side.

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(*Signed*)

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3607 232

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1936.

Kept at Newton Rigg

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

,, Ground ,, Sea Level 559 ft.

400

TL

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1														1
2														2
3														3
4														4
5								·54						5
6														6
7											·54			7
8			·31											8
9	·91													9
10														10
11														11
12														12
13												1·19		13
14														14
15														15
16														16
17				·15										17
18														18
19														19
20														20
21														21
22		·47												22
23														23
24					·58		·73		1·19	·94				24
25														25
26														26
27														27
28														28
29						·99								29
30		×												30
31		×		×		×			×		×			31
													Year's Total.	
TOTAL	3·50	2·20	1·54	0·84	1·23	2·63	4·67	1·41	4·06	4·22	3·77	4·55	34·62	
* Days with .01 in. or more.	21	14	19	15	7	10	23	11	16	18	19	23	196	
* Days with .04 in. or more.	17	12	13	6	3	10	16	7	14	13	17	15	143	

40-9999

† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(*Signed*)

[P.T.O.

232

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3607

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM

REGISTER OF RAINFALL IN 1937.

J. L.

Kept at Penrith (Newton Rigg)
in the County of Cumberland
Diameter of Funnel of Gauge 5 8 in.
Height of top of Gauge above Ground 1 ft 0 in.
,, Ground ,, Sea Level ~~55~~ 560 ft.

~~560~~ 400

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10												·56	10
11													11
12													12
13						·60							13
14													14
15							·25						15
16			·73	·42									16
17									·54				17
18											·26		18
19													19
20	·64				·78								20
21													21
22													22
23										1·29			23
24													24
25													25
26													26
27		1·15											27
28													28
29													29
30		✕											30
31		✕		✕		✕		·51	✕		✕		31
TOTAL	4·69	4·54	1·82	2·27	2·00	1·53	1·75	2·24	2·47	2·74	·69	2·78	YEAR'S TOTAL 29·52 ✓
*Days with ·01 in. or more.	22	24	21	19	15	17	17	17	15	13	8	20	208 ✓
*Days with .04 in. or more.	14	16	11	12	9	8	11	9	10	9	4	10	123 ✓

40-9999

*See Instruction 2 (*f*) on other side,

(*Signed*) .... [P.T.O.

232

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3607

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 0

REGISTER OF RAINFALL IN 1938

Kept at Penrith (Newton Rigg)

in the County of Cumberland

Diameter of Funnel of Gauge ~~8~~ 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

,, Ground ,, Sea Level 560 ft.

T·L

400

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1														1
2				·31										2
3										1·35				3
4														4
5														5
6														6
7														7
8														8
9		·25												9
10														10
11														11
12											1·33			12
13														13
14														14
15	·67													15
16														16
17														17
18														18
19														19
20			·79											20
21								·43						21
22														22
23														23
24														24
25							1·26							25
26														26
27														27
28					·47	·79								28
29														29
30		✕							·34					30
31		✕		✕		✕			✕		✕	·68		31
TOTAL	4·55	1·20	1·50	·39	2·23	4·04	3·95	2·68	1·87	8·77	5·95	3·99	Year's Total 41·12	
* Days with .01 in. or more.	24	15	13	4	17	17	18	16	16	24	24	22	210	
* Days with .04 in. or more.	18	9	8	2	14	14	12	12	12	21	19	17	159	

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

3·09

(*Signed*) .... [P.T.O.

COPY FOR OFFICIAL USE

~~232~~

Section **A** for the entry of Daily Observations

Station No. 3607

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at Penrith (Newton Rigg)

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

„ Ground „ Sea Level 560 ft.

TL

4OO

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1														1
2									·72					2
3												·39		3
4			·53											4
5														5
6														6
7														7
8														8
9										·82				9
10														10
11														11
12														12
13														13
14	(·50)				·23									14
15														15
16														16
17														17
18														18
19							·86							19
20											·86			20
21														21
22														22
23				·17										23
24														24
25														25
26								·72						26
27		·41												27
28						·48								28
29														29
30		✕												30
31		✕		✕		✕			✕		✕			31
													Year's Total	
TOTAL	4·18	2·91	3·04	1·17	·61	2·74	4·96	2·54	1·55	2·73	5·29	1·33	33·05	
* Days with .01 in. or more.	20	19	22	16	6	17	22	16	10	16	25	9	198	
* Days with .04 in. or more.	19	17	16	10	3	13	21	8	6	9	19	7	148	

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) ....

[P.T.O.

232

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3607

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1940

Kept at Penrith (Newton Rigg
in the County of Cumberland
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft. 0 in.
„ Ground „ Sea Level 560 ft.

LX80

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1														1
2														2
3														3
4		·15												4
5												·84		5
6														6
7														7
8														8
9										·81				9
10								·36						10
11											·51			11
12			·70											12
13														13
14														14
15														15
16							·91		·96					16
17														17
18														18
19	·49													19
20														20
21						·33								21
22														22
23														23
24														24
25					·50									25
26														26
27				·41										27
28														28
29														29
30		✕												30
31		✕		✕		✕			✕		✕			31
TOTAL	1·89	·78	3·74	1·69	1·65	·54	4·82	1·68	3·79	4·19	3·29	2·98	Year's Total 31·04	
* Days with .01 in. or more.	12	14	19	16	10	3	23	15	15	14	20	19	180	
* Days with .04 in. or more.	9	9	16	11	8	3	14	9	12	12	15	17	135	

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*) ....

P.T.O.

RSTN NO 600919

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3607/1

COPY FOR OFFICIAL USE.

tion **A** for the entry of Daily Observations. Station No.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 90.

REGISTER OF RAINFALL IN 1935.

Kept at Town Hall, PENRITH

in the County of Cumberland

Diameter of Funnel of Gauge 6 in.

Height of top of Gauge above Ground ft in.

,, Ground ,, Sea Level ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	.58	.14	.07	-	-	-	.33	-	.47	.02	.07	.12		1
2	-	.04	.02	-	-	.04	-	-	.42	.23	.08	.01		2
3	.01	.27	.05	.02	-	.05	-	-	.08	-	.36	.04		3
4	-	.02	.13	-	-	.43	.04	-	.25	.35	-	-		4
5	-	.24	.04	-	-	.13	-	-	.10	.09	.11	.05		5
6	.01	-	.01	-	-	.30	-	-	-	.10	.09	-		6
7	-	-	-	.19	-	.18	-	-	-	.29	.05	.07		7
8	-	.01	-	.21	-	.29	-	.06	-	.15	-	.16		8
9	.01	.01	-	.61	-	-	-	-	-	.54	.14	-		9
10	.17	.13	-	.51	-	.21	-	-	-	.15	.12	-		10
11	.55	.09	-	.05	-	.23	-	.17	-	.20	.21	-		11
12	-	.11	-	-	-	.15	-	-	.07	.05	.02	-		12
13	.11	.12	-	.03	.24	.20	-	-	.35	.04	.03	-		13
14	-	.01	-	-	.03	.05	-	-	.30	-	.23	.09		14
15	-	1.07	-	.28	.22	.06	-	-	.38	.21	.05	.20		15
16	.02	.84	.11	.60	.25	.18	.14	.01	.43	-	.18	-		16
17	-	-	-	.30	.09	.23	-	-	.12	.06	.30	-		17
18	-	.10	-	-	-	-	-	.07	.15	.71	.08	-		18
19	-	.34	-	.06	-	.09	.47	-	.02	.32	.08	-		19
20	.01	.53	-	.05	-	.04	.01	-	.01	-	.16	-		20
21	-	.09	.10	.04	-	-	-	-	.85	.07	.01	-		21
22	-	.08	.20	.27	-	-	-	-	.01	-	-	-		22
23	.02	.03	.05	.03	-	.05	-	.27	.02	.55	-	-		23
24	.29	.24	.09	-	-	-	-	-	.47	.05	-	.23		24
25	.20	-	.03	-	-	-	-	-	-	-	.13	.02		25
26	-	-	-	-	-	.42	.03	.80	.19	.10	.02	.14		26
27	-	.21	-	-	-	-	.08	-	.17	.28	.29	.10		27
28	.02	.15	-	-	-	.02	-	-	.08	.37	.05	.02		28
29	-		.19	-	-	.06	-	-	.18	.30	.19	.22		29
30	-	X	-	-	-	.16	-	.18	-	.85	.63	.06		30
31	.04	X	-	X	-	X	-	.01	X	.38	X	-		31
TOTAL	2.04	4.87	1.09	3.25	.83	3.57	1.10	1.57	5.12	6.46	3.68	1.53	Year's Total. 35.21	
* Days with .01 in. or more.	7	5	3	3	1	1	2	2	4	1	4	3		
* Days with .04 in. or more.	7	18	10	12	4	21	5	6	18	24	21	12		

Record from recording gauge retain on file

40-9999

† Spare column, no entries required.

(Signed) G H J Edmundson

* See Instruction 2 (f) on other side.

[P.T.O.

3607/1

Penrith
Town Hall

1936. & 38. 39.

780703

Section **A** for the en
AIR MI

Station No. 3607/1

RAINFALL ORGANIZATION.

FORM 1090.

RE

1936.

Kept at (Town Hall)

in the County of Cum

Diameter of Funnel of Gaug

Height of top of Gauge ab

,, Ground ,,

79/34

4/6/37

are from hyetograph gauge

THE MORNING ME … DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·50	·07	·13	—	—	·09	·26	·20	·16	—	·06	·11		1
2	·02	·03	—	—	—	·06	·05	—	·16	—	·07	·03		2
3	—	—	—	—	—	·23	—	—	·46	—	—	·17		3
4	·32	·01	·08	—	—	—	—	·09	·37	—	·34	·51		4
5	·18	—	·04	—	—	·02	—	·33	·06	—	·25	·23		5
6	·12	—	—	—	·01	·01	—	·26	·44	—	·09	—		6
7	—	—	—	—	—	—	—	—	·18	—	·58	·13		7
8	·17	—	·30	—	—	—	—	—	—	—	·20	—		8
9	1·23	—	·09	—	—	—	—	·08	—	·01	·49	—		9
10	·50 ~~1·23~~	—	~~·09~~	—	—	—	·27	— ~~·08~~	·36	— ~~·01~~	·24 ~~·49~~	·14		10
11	~~·50~~	—	—	·03	—	—	·05 ~~·27~~	·12	·05 ~~·36~~	—	·45 ~~·24~~	·15 ~~·14~~		11
12	—	—	—	·14	—	·07	·08	·01	·42	—	·02	1·60		12
13	—	—	—	·06	—	—	·04	—	—	·06	·09	·64		13
14	—	—	—	·07	·01	—	·02	·01	·11	·01	·17	·61		14
15	·05	—	·05	·02	·01	·05	·06	·13	—	·06	·26	·04		15
16	—	—	·06	·02	·01	·08	·02	—	—	·16	·34	·53		16
17	·02	·39	—	·04	·01	—	·14	—	—	·42	·08	—		17
18	—	·26	—	·05	—	—	·26	·15	—	·22	—	·07		18
19	—	·22	·02	—	—	—	·22	·03	—	·10	—	·02		19
20	—	·23	·05	·06	—	·01	·23	—	—	·01	—	·09		20
21	·02	·08	·11	·02	—	·32	—	—	—	·01	—	—		21
22	·14	·43	·04	—	—	·34	·09	—	—	—	—	—		22
23	—	·21	—	·02	·01	—	·65	—	—	·06	—	—		23
24	·01	·02	—	·08	·42	·12	·74	—	1·05	1·00	—	—		24
25	·33	—	—	·13	·01	—	·13	—	—	·25	—	—		25
26	·32	·11	—	·02	—	—	—	—	·09	·60	—	—		26
27	·23	·01	·03	—	—	·01	—	—	·03	·69	—	—		27
28	·11	·15	·12	—	—	1·01	·66	—	—	·01	—	—		28
29	·02	·21	·22	·01	·58	·06	·02	—	—	·23	—	—		29
30	·04	×	·11	—	—	—	·10	—	—	·17	·08	·23		30
31	·04	×	·12	×	·04	×	—	—	×	—	×	·40		31
													Year's Total	
TOTAL	4·37	2·43	1·57	·77	1·11	2·48	4·09	1·41	3·94	4·07	3·81	5·70	35·75	
* Days with .01 in. or more.	20	15	16	15	10	15	20	11	14	18	17	18	189	
* Days with .04 in. or more.	15	11	14	8	3	11	17	8	13	13	16	16	145	

40-9999.

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(Signed) …… [P.T.O.

THE ENGINEER & SURVEYOR

SURVEYOR'S OFFICE PENRITH

Section **A** for the entry of Daily Observations.

Station No. 3607/1

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1936.

Kept at (Town Hall) PENRITH

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 2 ft. 6 in.

,, Ground ,, Sea Level .... ft.

373579/34

X written 4/10/37

X These values are from hyetograph gauge

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·50	·07	·13	—	—	·09	·26	·20	·16	—	·06	·11		1
2	·02	·03	—	—	—	·06	·05	—	·16	—	·07	·03		2
3	—	—	—	—	—	·23	—	—	·46	—	—	·17		3
4	·32	·01	·08	—	—	—	—	·09	·37	—	·34	·51		4
5	·18	—	·04	—	—	·02	—	·33	·06	—	·25	·23		5
6	·12	—	—	—	·01	·01	—	·26	·44	—	·09	—		6
7	—	—	—	—	—	—	—	—	·18	—	·58	·13		7
8	·17	—	·30	—	—	—	—	—	—	—	·20	—		8
9	1·23	—	·09	—	—	—	—	·08	—	·01	·49	—		9
10	·50 ~~1·23~~	—	~~·09~~	—	—	—	·27	— ~~·08~~	·36	— ~~·01~~	·24 ~~·49~~	·14		10
11	~~·50~~	—	—	·03	—	—	·05 ~~·27~~	·12	·05 ~~·36~~	—	·45 ~~·24~~	·15 ~~·14~~		11
12	—	—	—	·14	—	·07	·08	·01	·42	—	·02	1·60		12
13	—	—	—	·06	—	—	·04	—	—	·06	·09	·64		13
14	—	—	—	·07	·01	—	·02	·01	·11	·01	·17	·61		14
15	·05	—	·05	·02	·01	·05	·06	·13	—	·06	·26	·04		15
16	—	—	·06	·02	·01	·08	·02	—	—	·16	·34	·53		16
17	·02	·39	—	·04	·01	—	·14	—	—	·42	·08	—		17
18	—	·26	—	·05	—	—	·26	·15	—	·22	—	·07		18
19	—	·22	·02	—	—	—	·22	·03	—	·10	—	·02		19
20	—	·23	·05	·06	—	·01	·23	—	—	·01	—	·09		20
21	·02	·08	·11	·02	—	·32	—	—	—	·01	—	—		21
22	·14	·43	·04	—	—	·34	·09	—	—	—	—	—		22
23	—	·21	—	·02	·01	—	·65	—	—	·06	—	—		23
24	·01	·02	—	·08	·42	·12	·74	—	1·05	1·00	—	—		24
25	·33	—	—	·13	·01	—	·13	—	—	·25	—	—		25
26	·32	·11	—	·02	—	—	—	—	·09	·60	—	—		26
27	·23	·01	·03	—	—	·01	—	—	·03	·69	—	—		27
28	·11	·15	·12	—	—	1·01	·66	—	—	·01	—	—		28
29	·02	·21	·22	·01	·58	·06	·02	—	—	·23	—	—		29
30	·04	✕	·11	—	—	—	·10	—	—	·17	·08	·23		30
31	·04	✕	·12	✕	·04	✕	—	—	✕	—	✕	·40		31
													Year's Total	
TOTAL	4·37	2·43	1·57	·77	1·11	2·48	4·09	1·41	3·94	4·07	3·81	5·70	35·75	
* Days with .01 in. or more.	20	15	16	15	10	15	20	11	14	18	17	18	189	
* Days with .04 in. or more.	15	11	14	8	3	11	17	8	13	13	16	16	145	

40-9999.

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(Signed) .... [P.T.O.

THE ENGINEER & SURVEYOR

PENRITH

600919 [31A

COPY FOR OFFICIAL USE

Sect A for the entry of Daily Observations

Station No. 365

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

Kept at TOWN HALL PENRITH.
in the County of CUMBERLAND.
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 2 ft. 6 in.
,, Ground ,, Sea Level ....ft.

Recorded retained file GB 17/2/39

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	/	·13	/	/	/	·53	/	/	·05	/	·22	·15		1
2	/	/	/	·34	/	·42	·01	/	·065	·69	·44	·085		2
3	·01	·01	/	/	/	/	·165	/	·16	1·30	0·23	/		3
4	·001	·035	/	·04	/	·055	·015	/	/	·40	/	·58		4
5	·01	/	/	/	/	·105	·145	/	·06	·46	/	·01		5
6	·24	/	/	/	/	·22	·035	/	·005	·60	/	·03		6
7	·135	/	/	/	/	/	·66	·06	/	·25	·04	·05		7
8	·03	/	/	/	/	·01	·115	·24	/	·56	·09	·065		8
9	·095	·33	/	/	/	·20	·002	/	/	·06	/	·61		9
10	/	/	/	/	/	·03	·128	/	/	·25	/	·04		10
11	·095	/	/	/	·04	/	·04	/	/	·05	·22	·28		11
12	·30	/	/	/	·20	/	/	·01	/	·80	1·45	·03		12
13	·025	/	/	/	·02	/	·085	/	·04	·18	·29	·12		13
14	·80	/	/	/	·02	/	/	/	/	·02	/	·01		14
15	·26	/	·06	/	/	/	/	·32	·01	·08	/	·29		15
16	·32	/	·13	/	/	/	/	·36	·05	·24	/	/		16
17	/	/	/	/	·10	/	/	·09	·43	·62	/	/		17
18	·06	/	·05	/	/	/	/	·04	·05	·20	·48	/		18
19	/	/	·24	/	/	·04	/	·15	·03	·02	·21	·05		19
20	·24	/	·32	/	/	/	/	·05	·13	/	·02	/		20
21	/	/	·02	/	/	·078	/	·34	·09	/	·36	/		21
22	/	/	/	/	·03	/	/	·01	/	/	·43	/		22
23	·18	/	/	/	·21	·114	/	·01	/	/	·61	/		23
24	·38	/	·06	/	/	·02	/	·13	·15	·30	·16	/		24
25	·035	·10	·05	/	·08	/	1·25	/	/	·18	·05	·08		25
26	·012	·19	·04	·01	·08	·39	/	/	/	·34	/	·025		26
27	·15	·15	/	/	·13	·50	·35	·22	·01	·04	·18	/		27
28	·48	·05	·015	/	·51	·44	·015	·09	/	/	·08	·205		28
29	·04	/	/	/	·29	·11	·36	/	/	·01	·35	/		29
30	·025	✕	/	/	/	/	·14	/	·45	·20	·45	/		30
31	·415	✕	/	✕	·28	✕	/	·01	✕	·42	✕	/		31
TOTAL	4·368	0·995	1·015	0·420	1·990	3·565	3·845	2·190	1·480	8·300	6·390	2·440	Year's Total 34·298	r.r. Recorder GB 17/2/39
* Days with .01 in. or more.	23	8	10	3	13	16	15	16	15	25	20	18	182	
* Days with .04 in. or more.	16	6	8	2	10	13	11	12	12	22	19	14	145	

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) H. Hammonds

[P.T.O.

600919 [36A

COPY FOR OFFICIAL USE

A for the entry of Daily Observations

Station No. 3607/1

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at TOWN HALL PENRITH

in the County of CUMBERLAND

Diameter of Funnel of Gauge 5" in.

Height of top of Gauge above Ground 2 ft. 6 in.

,, Ground ,, Sea Level — ft.

1937
1938 no recorder
f 373579/34

Return – file

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the **Notes and Instructions Overleaf**

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·67	—	·30	—	—	—	·03	·01	—	—	—	—		1
2	—	—	·11	·01	—	—	·18	·41	·71	—	·05	·10		2
3	—	—	·05	—	—	—	·03	·09	·12	—	·02	·36		3
4	—	—	·16	—	—	—	·29	—	—	—	·04	—		4
5	—	·02	—	—	·17	—	·38	—	—	—	·70	—		5
6	·23	·05	·05	—	—	—	·28	—	—	·02	·20	—		6
7	·25	·11	·37	—	—	—	·04	—	·01	·14	·12	—		7
8	·49	·31	·10	—	—	—	·09	—	—	—	·87	·38		8
9	·41	·12	—	—	—	—	·05	·43	—	·84	—	·03		9
10	·03	·01	—	—	—	·22	—	·22	·34	·10	—	—		10
11	—	·18	·33	—	—	·08	—	·01	—	·02	—	·01		11
12	·10	·21	—	—	—	—	—	·05	·09	—	·03	—		12
13	·15	—	—	·13	·12	—	·09	—	·08	·30	·07	—		13
14	·86	—	—	·13	·22	·21	·44	—	—	·04	·50	—		14
15	·64	—	·02	·05	—	·32	—	—	—	·03	·02	—		15
16	·60	—	·01	·04	—	—	·35	—	—	—	·18	—		16
17	·23	·05	—	·11	—	·01	—	—	—	—	·01	—		17
18	·11	·11	·09	—	—	·03	·02	—	—	—	·54	—		18
19	·12	—	—	—	—	·01	·50	—	—	·01	—	—		19
20	—	—	—	—	—	·04	—	—	—	—	—	—		20
21	·11	·08	·13	·07	—	—	—	—	—	·01	—	—		21
22	·29	·06	·02	·02	—	—	·01	—	—	—	·13	—		22
23	·10	·08	·05	·15	—	·13	·02	·10	—	~~·04~~	·01	—		23
24	·07	·19	·08	·04	—	·01	·10	—	—	—	—	—		24
25	·10	·03	—	·0~~4~~3	—	·02	—	—	—	—	·67	—		25
26	·01	·02	—	—	—	·17	—	·40	—	·52	·01	—		26
27	—	·51	·02	—	—	·09	·01	—	—	·12	—	—		27
28	—	·08	·03	·05	—	·50	·15	·11	—	—	—	—		28
29	—	—	·03	—	—	·08	—	—	—	·28	—	—		29
30	—	✗	—	—	—	·40	—	—	—	—	·81	—		30
31	—	✗	—	✗	—	✗	·39	·01	✗	·02	✗	—		31
TOTAL	5·54	2·22	1·95	·88	·51	2·32	3·45	1·84	1·35	2·45	4·98	·88	Year's Total 28·40	
* Days with .01 in. or more.	20	18	18	12	3	16	20	11	6	14	19	5	162	
* Days with .04 in. or more.	18	14	12	9	3	11	14	8	5	8	13	3	118	

no recorder
SH
return file

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(Signed) ....

[P.T.O.

334

3608

Section **A** **for the entry of Daily** … **FOR OFFICIAL USE.**

AIR MINISTRY.—ME … ORGANIZATION.

FORM 1090.

REGISTER

3608

ULDALE
CHAPEL HOUSE RES

1931-32
1936-40

780703

Kept at Uldale, Chapel Hou

in the County of Cumberlan

Diameter of Funnel of Gauge

Height of top of Gauge above Ground

,, Ground ,, Sea Level

THE MORNING MEASUREM

An observer who does not conform to this rule should insert the reading … *following year in the space on the right of this paragraph.*

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	.03					.03	.14		.18	.35	.48		1
2		.08		.14		1.00			.43	.10	1.40	.70	2
3						.04	.48		.58	.16	.04	.30	3
4		.03		.27					.38	.06		.04	4
5		.14			.13	.75	.02			.14	.31	1.10	5
6		.34	.10		.20	.55	.56	.03	.13	.65	.10		6
7		.18	.02			.35		.25		.37		.36	7
8	.19	.13					.80	.06	.03	.14	.10	.10	8
9	.04	.20	.04	.20	.11	.06	.04	.70		.72	.46	.04	9
10	.30	.25			.50	.22					.35	.05	10
11	.75	.59					.23		.23	.15	.04		11
12	.04	.30		.21		.03	.12	.05		.12	.03		12
13			.63	.10	.80			.03			.30	.07	13
14	.10		.04		.30	.25	.10	.08	.04			.15	14
15	.07	.14				1.45	.04	.11					15
16	.27	.12		.17		.13	.07	1.04	.35		.23		16
17		.60		.32	.60		.90	.51	.05		.40	.04	17
18	.24			.30		.25	.12	.05			.03		18
19	.12	.18				.16	.35	1.00			.11		19
20		.16		.20		.10		.05					20
21	.25	.60	.05		.60	.21	.03	.39			.03		21
22	.35	.13	.10		.10	.15	.23				.06		22
23	.36			.30	.09	.48				.06	.61	.20	23
24	.42	.18		.12	.20						.05	.60	24
25	.27	.35		.11	.40						.45	.04	25
26				.13	.31					.03	.20	.03	26
27	.45	.04		.34		.15	.60			.25		.07	27
28	.08	.06		.20			.58		.03				28
29				.14	.40		.96			.70	.03		29
30		X		.80	.10		.02		.08			.06	30
31	.16	X		X		X	.03		X	.23	X		31
TOTAL	4.49	4.80	.98	4.05	4.84	6.36	6.42	4.35	2.51	4.23	5.81	3.95	YEAR'S TOTAL 52.79
*Days with ·01 in. or more.	19	21	7	17	15	19	21	14	12	16	22	17	200
*Days with ·04 in. or more.	18	20	6	17	15	17	17	12	10	15	18	16	181

40-9999

(Signed) ~~J. S~~ J.R. WATTERS [[illegible].O.

*See Instruction 2 (f) on other side.

334 3608

Section **A** for the entry of Daily Observations. FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1931.

Kept at Uldale, Chapel House Res.

in the County of Cumberland

Diameter of Funnel of Gauge.................in.

Height of top of Gauge above Ground..........ft..........in.

,, Ground ,, Sea Level..........ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·03					·03	·14		·18	35	·48		1
2		·08		·14		1·00			·43	·10	1·40	·70	2
3						·04	·48		·58	16	·04	·30	3
4		·03		·27					·38	·06		·04	4
5		·14			·13	·75	·02			·14	31	1·10	5
6		·34	·10		·20	·55	·56	·03	·13	·65	·10		6
7		·18	·02			·35		25		·37		·36	7
8	·19	·13					80	·06	·03	·14	10	·10	8
9	04	·20	·04	·20	·11	06	·04	·70		·72	·46	·04	9
10	·30	·25			·50	·22					·35	·05	10
11	·75	·59					·23		·23	15	·04		11
12	·04	·30		·21		·03	·12	·05		·12	·03		12
13			·63	·10	·80			·03			·30	07	13
14	10		·04		·30	·25	10	08	·04			·15	14
15	·07	·14				1·45	·04	·11					15
16	27	·12		·17		·13	·07	1·04	·35		·23		16
17		·60		·32	·60		·90	·51	·05		·40	·04	17
18	24			·30		·25	12	05			·03		18
19	·12	·18				·16	·35	1·00			·11		19
20		·16		·20		·10		·05					20
21	25	60	05		·60	·21	·03	·39			·03		21
22	·35	·13	·10		·10	·15	·23				·06		22
23	·36			·30	·09	·48				·06	·61	·20	23
24	·42	·18		·12	·20						·05	·60	24
25	·27	·35		·11	·40						·45	·04	25
26				·13	·31					·03	·20	·03	26
27	·45	·04		·34		·15	·60			·25		·07	27
28	·08	·06		·20			·58		·03				28
29				·14	·40		·96			·70	03		29
30		✕		·80	·10		·02		·08			06	30
31	·16	✕		✕		✕	·03		✕	·23	✕		31
TOTAL	4·49	4·80	·98	4·05	4·84	6·36	6·42	4·35	2·51	4·23	5·81	3·95	YEAR'S TOTAL 52·79
*Days with ·01 in. or more.	19	21	7	17	15	19	21	14	12	16	22	17	200
*Days with ·04 in. or more.	18	20	6	17	15	17	17	12	10	15	18	16	181

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(Signed) ~~J. S.~~ J. R. WATTERS

*See Instruction 2 (f) on other side.

3608

Section **A** for the entry of Daily Observations. COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

Copied from figures given by F. Hudleston [illegible] 170606/32.

Copy by B.R.O.

Kept at Uldale, Chapel House Res.

in the County of Cumberland

Diameter of Funnel of Gauge..........in.

Height of top of Gauge above Ground..........ft..........in.

,, Ground ,, Sea Level..........ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1							·08	·02	1·19	·12	·12	·53	1
2					·19		·23	·03	·62	·03	·23	·17	2
3							·14	·13	·17	–	·15	·38	3
4							·32	·03	·04	·06		·12	4
5					·06	·03		·06	·40				5
6					·03					·22			6
7					·09	·03			·04	·67			7
8									·38	·60			8
9							·02		·13	·24			9
10									1·17	·17			10
11					·50		·50	·03	·12				11
12					·60		1·50	·27	·05	·58			12
13					·24		·15		1·46	·16		·06	13
14											·04	·12	14
15					·34			·05		·20	·06	·18	15
16										·13		1·27	16
17							·16	·14		·45		·25	17
18					·13							·12	18
19					·05		·20			·15		·10	19
20							·05			·17	·15	·04	20
21								·14		·56	·18	·25	21
22							·18			·36	·73	·17	22
23							·09				·45		23
24						·02			·39	·06	·04	·11	24
25					·26	·05	·15		·28	·47	·41		25
26					·13	·02	·73		·38	·03	·10		26
27						·61	·74	·07		·02			27
28					·40		·07			·36		·10	28
29						·08	·87	·03		·18	·32	·20	29
30		×				·66	·18	·46	·44		·16		30
31		×		×		×		·08	×		×	·25	31
TOTAL	6·93	·15	6·91		3·02	1·50	6·36	1·54	7·26	5·99	3·1~~7~~4	4·42	YEAR'S TOTAL 47·2~~5~~2
*Days with ·01 in. or more.													
*Days with ·04 in. or more.													

40-9999

(*Signed*) per F. Hudleston

*See Instruction 2 (*f*) on other side.

[P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3608

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1936

Kept at Chapelhouse Reservoir, Uldale

in the County of Cumberland

Diameter of Funnel of Gauge 8 in.

Height of top of Gauge above Ground ft. 12 in.

,, Ground ,, Sea Level 620 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	0·03	0·26	0·08	—	—	—	0·13	0·30	0·75	—	0·30	0·07		1
2	0·04	—	0·02	—	—	—	0·52	0·12	0·04	—	0·18	0·12		2
3	—	—	—	—	0·02	0·52	—	0·10	0·40	—	0·03	0·22		3
4	—	—	0·11	—	—	0·03	0·12	0·06	0·45	—	0·43	0·52		4
5	0·46	—	0·03	—	—	0·10	—	0·08	0·43	—	0·17	0·17		5
6	0·15	—	—	0·02	0·03	—	0·49	0·36	0·62	—	0·17	0·38		6
7	—	—	—	—	—	—	0·03	—	0·66	—	0·61	—		7
8	0·10	—	0·24	—	—	0·02	—	—	—	—	0·15	—		8
9	1·27	—	0·25	—	—	0·08	0·12	0·10	0·23	0·06	0·35	0·03		9
10	0·29	—	—	0·03	—	—	0·39	—	0·02	—	0·79	—		10
11	—	—	—	0·05	0·03	0·11	0·03	0·24	0·07	—	0·80	—		11
12	—	—	0·03	0·19	—	—	0·05	—	0·52	—	0·19	—		12
13	—	—	—	0·13	0·10	—	0·11	—	—	0·52	0·03	2·08		13
14	—	—	—	0·11	—	0·43	—	0·07	0·45	0·07	0·33	1·06		14
15	—	—	0·06	0·10	0·08	0·20	0·05	0·08	—	0·06	0·28	0·57		15
16	—	—	0·12	0·03	0·10	—	0·02	—	—	0·42	0·44	—		16
17	—	0·45	—	—	0·05	0·03	0·34	0·15	—	0·44	0·29	0·31		17
18	—	0·46	—	0·07	—	—	0·09	0·38	—	0·54	—	—		18
19	—	0·25	0·03	—	—	—	0·40	—	—	0·21	—	0·15		19
20	—	0·31	0·19	0·03	—	0·03	0·32	—	—	0·09	0·02	0·12		20
21	—	0·22	—	0·02	—	—	—	—	—	0·10	—	0·17		21
22	—	0·17	0·06	—	—	0·87	0·13	—	—	0·09	—	—		22
23	—	0·40	0·12	0·22	—	—	0·55	—	—	0·10	—	0·03		23
24	—	0·57	0·03	0·16	0·71	—	0·33	—	1·10	1·05	0·03	—		24
25	1·40	0·19	0·19	—	—	—	0·19	—	0·38	0·39	—	—		25
26	0·29	0·02	0·05	0·08	—	—	0·06	—	0·04	0·42	—	—		26
27	0·35	0·24	—	—	—	—	0·08	—	—	0·49	—	0·06		27
28	0·12	0·04	0·03	—	0·23	0·08	—	—	—	0·03	0·02	—		28
29	0·05	0·09	0·49	0·03	—	0·47	0·03	—	—	0·72	0·31	0·03		29
30	—		0·03	—	0·02	0·13	0·61	0·03	—	0·18	0·14	0·11		30
31	—		0·06		—		0·14	—		—		0·27		31
TOTAL	4·55	3·67	2·22	1·27	1·37	3·10	5·33	2·07	5·52	5·97	6·06	6·47	Year's Total 47·60	
* Days with .01 in. or more.	12	14	20	15	10	14	25	13	15	19	22	19	198	
* Days with .04 in. or more.	11	13	13	9	6	10	21	12	14	18	17	16	160	

Part of

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) J. R. Walters

[P.T.O.

COPY FOR OFFICIAL USE.

Station No. 3608

Section **A** for the entry of Daily Observations.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1937.

~~Totals~~
~~Days~~
~~(see ...)~~ RJ.

Kept at Chapelhouse Reservoir (ULDALE)
in the County of Cumberland.
Diameter of Funnel of Gauge 8 in.
Height of top of Gauge above Ground ft. 12 in.
,, Ground ,, Sea Level 620 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ✓

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	0·03	0·03	0·30	—	—	—	0·24	—	0·75	0·12	—	0·05		1
2	—	0·52	0·70	0·17	—	0·02	0·08	—	0·08	—	—	0·03		2
3	0·05	0·28	0·03	—	—	0·05	0·12	—	—	—	—	—		3
4	0·20	—	—	0·08	0·09	0·53	0·09	—	0·59	—	0·02	0·10		4
5	0·60	—	—	—	—	0·14	0·29	0·09	0·67	—	—	0·20		5
6	0·76	—	0·05	0·05	0·06	—	0·07	0·08	0·05	—	—	—		6
7	0·07	0·59	—	0·18	—	0·14	0·10	—	0·07	—	—	—		7
8	—	0·31	—	0·15	—	0·02	0·23	0·02	—	—	—	—		8
9	0·03	0·05	0·03	—	0·08	—	0·28	0·27	—	—	—	0·03		9
10	—	0·21	0·02	—	—	0·04	0·02	—	—	—	—	—		10
11	0·07	—	0·05	0·03	0·03	—	—	—	—	—	—	0·02		11
12	0·78	0·12	0·03	0·07	—	0·03	0·11	0·05	0·15	—	—	—		12
13	—	0·22	0·20	—	0·03	0·32	—	0·30	0·02	0·08	—	0·71		13
14	—	0·12	0·40	—	—	—	0·22	0·50	—	0·06	—	0·27		14
15	0·35	0·39	0·55	0·11	—	—	—	0·19	0·65	—	—	—		15
16	—	0·44	—	0·45	—	0·03	—	0·29	—	—	—	—		16
17	—	0·05	0·03	0·17	—	—	—	0·12	0·35	—	—	—		17
18	—	0·15	0·11	0·03	0·04	0·04	—	0·26	—	—	0·35	—		18
19	0·85	0·37	0·06	0·09	—	0·05	—	0·08	0·07	—	0·53	—		19
20	0·80	—	0·02	0·08	0·49	0·03	0·02	—	—	0·04	0·18	0·30		20
21	1·08	0·12	0·10	0·11	0·32	—	0·77	—	—	0·13	—	—		21
22	0·29	—	0·06	0·15	0·75	—	0·44	—	—	—	0·03	0·02		22
23	0·37	—	0·10	—	0·06	—	0·43	—	0·20	1·47	—	0·23		23
24	0·10	0·03	0·11	—	—	—	0·07	—	0·30	0·15	—	—		24
25	0·37	0·59	0·06	0·03	—	—	—	0·05	—	0·33	0·02	0·03		25
26	0·08	0·20	—	—	0·24	—	—	—	—	0·11	—	0·20		26
27	—	0·12	—	0·17	—	—	0·08	—	0·06	0·82	0·03	—		27
28	—	—	0·08	—	—	0·14	—	—	—	0·37	—	—		28
29	—	✕	—	—	0·03	0·03	—	—	—	0·13	0·05	0·04		29
30	0·19	✕	—	—	—	0·09	0·02	0·23	0·26	0·33		—		30
31	0·24	✕		✕	0·02	✕	—	0·34	✕	0·07	✕	0·06		31
TOTAL	7·31	4·91	3·04	2·12	2·24	1·70	3·68	2·87	4·27	4·21	1·21	2·29	Year's Total ~~[illegible]~~	39·85 ✓
* Days with .01 in. or more.	20	20	21	17	13	16	19	15	15	14	8	15	193	
* Days with .04 in. or more.	18	18	14	14	9	10	16	14	14	14	4	10	155	

40-9999.

† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(*Signed*) .... [P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3608

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

Kept at Chapelhouse Reservoir – Uldale.

in the County of Cumberland.

Diameter of Funnel of Gauge 8 in.

Height of top of Gauge above Ground ft. 12 in.

,, Ground ,, Sea Level 620 ft.

Days ✓

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	—	0·11	—	0·15	—	1·90	0·04	—	0·66	0·02	0·05	0·31		1
2	—	0·12	—	0·35	—	0·78	0·08	—	0·28	1·15	0·49	0·23		2
3	0·02	0·05	—	0·03	—	—	0·31	—	0·46	1·29	0·43	—		3
4	—	—	0·03	—	—	0·07	0·15	0·02	—	0·46	0·15	0·87		4
5	0·03	0·11	—	—	—	0·10	0·20	—	0·06	0·61	0·04	0·03		5
6	0·25	—	—	—	—	—	0·05	0·27	0·27	0·68	0·08	0·02		6
7	0·12	0·03	—	—	—	0·03	0·49	0·12	0·03	0·46	0·33	—		7
8	0·28	0·19	—	—	0·02	0·02	0·26	0·34	—	0·65	0·83	0·17		8
9	—	0·24	0·02	—	—	0·06	0·13	—	—	0·08	—	0·58		9
10	0·07	—	—	—	—	0·20	0·44	—	0·08	0·34	—	0·23		10
11	—	—	0·03	—	0·08	0·03	0·07	0·69	0·06	0·09	0·14	0·31		11
12	0·30	0·08	—	—	0·10	—	0·02	0·08	—	1·84	1·83	0·16		12
13	1·08	—	—	—	0·02	—	0·61	0·10	0·15	0·05	0·23	0·14		13
14	0·32	—	—	—	0·10	—	—	0·05	0·02	—	0·06	0·03		14
15	0·30	—	0·45	—	0·10	—	—	0·81	—	0·44	—	0·19		15
16	0·25	—	0·04	—	0·16	—	—	0·36	0·22	0·61	0·03	0·02		16
17	0·06	0·05	0·05	—	0·11	—	0·10	0·51	0·35	0·61	0·05	—		17
18	—	—	0·58	—	0·03	0·19	—	0·31	0·03	0·36	0·45	—		18
19	0·05	—	0·90	—	—	—	0·02	0·43	0·05	—	0·12	0·02		19
20	0·48	—	—	—	—	—	—	0·33	0·03	—	0·09	—		20
21	0·08	—	—	—	0·02	—	0·03	0·37	0·06	—	0·62	—		21
22	—	—	—	—	0·05	—	—	—	0·02	—	0·33	—		22
23	0·20	—	—	—	0·32	0·47	0·04	—	0·03	0·02	0·80	—		23
24	0·26	—	0·19	—	—	0·32	—	0·02	0·29	0·25	0·25	—		24
25	0·02	0·27	0·05	—	—	0·03	0·95	0·02	—	0·18	0·36	0·11		25
26	0·04	0·04	0·22	—	0·25	0·65	0·03	—	0·02	0·65	0·03	—		26
27	0·38	0·18	0·04	—	0·12	0·56	0·05	0·25	—	0·09	0·22	—		27
28	0·39	0·14	0·11	0·03	0·30	0·04	0·02	—	0·02	—	0·21	0·08		28
29	0·20	×	0·02	0·02	0·32	0·05	0·83	—	0·02	0·21	0·46	0·44		29
30	0·15	×	0·04	0·04	0·35	0·07	0·33	—	0·08	0·07	0·81	0·02		30
31	0·37	×	0·03	×	0·28	×	0·02	—	×	0·53	×	0·66		31
TOTAL	5·70	1·61	2·80	0·62	2·43	5·54	5·27	5·08	2·69	11·74	9·49	4·62	Year's Total 54·92	
* Days with .01 in. or more.	24	13	16	6	18	18	24	18	23	25	27	20	232	
* Days with .04 in. or more.	21	12	11	3	14	14	18	15	14	23	25	14	184	

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) J. R. Watte

[P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations — Station No. 3608

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939.

Kept at CHAPELHOUSE RESERVOIR.

in the County of CUMBERLAND.

Diameter of Funnel of Gauge 8 in.

Height of top of Gauge above Ground ft. 12 in.

,, Ground ,, Sea Level 620 ft.

Days

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in. ✓	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	0·05	—	0·39	—	—	—	0·22	0·07	0·04	0·04	—	0·55		1
2	—	—	0·29	0·05	—	—	0·56	0·67	0·33	—	0·02	0·11		2
3	—	0·05	—	0·07	—	—	0·02	0·09	0·11	—	0·04	0·56		3
4	—	0·05	0·48	0·02	—	—	—	—	—	—	0·03	0·25		4
5	0·31	0·14	0·12	—	0·02	—	0·67	—	0·03	0·37	0·57	—		5
6	0·03	0·20	0·11	—	0·03	—	0·33	—	—	—	0·29	—		6
7	1·09	0·31	0·54	0·02	—	—	0·05	—	0·09	0·02	0·15	0·09		7
8	1·47	0·76	0·23	0·34	—	—	0·41	0·11	0·14	0·02	0·36	0·32		8
9	0·39	0·36	—	0·02	—	—	0·04	0·61	0·31	0·35	0·02	0·17		9
10	—	—	0·05	—	—	0·39	0·02	0·24	0·89	0·24	0·15	0·05		10
11	0·15	0·41	0·09	—	—	0·22	—	0·05	—	0·11	0·18	—		11
12	0·12	0·23	—	0·02	—	0·03	0·03	0·09	0·17	0·09	0·14	—		12
13	0·02	—	0·03	0·06	0·21	0·02	0·61	—	0·03	0·02	0·25	—		13
14	0·73	0·03	0·05	0·23	0·30	0·37	0·14	—	—	0·09	0·66	—		14
15	0·33	0·06	0·04	0·47	0·09	0·65	0·09	—	—	—	0·11	—		15
16	0·39	—	—	0·05	—	—	0·31	—	—	—	0·19	—		16
17	0·32	0·16	0·03	—	—	0·11	0·04	—	—	—	0·11	—		17
18	0·09	0·23	0·19	—	—	0·03	0·15	—	—	—	0·55	0·02		18
19	0·25	—	—	—	—	0·02	0·30	0·02	0·02	—	0·03	—		19
20	0·05	0·03	—	—	0·11	0·13	0·33	0·05	—	—	0·02	—		20
21	0·19	0·68	0·15	0·14	—	—	0·03	0·19	0·02	0·02	—	—		21
22	0·10	0·47	0·17	0·05	0·02	—	0·05	—	—	0·15	0·50	—		22
23	0·05	0·36	0·11	0·28	—	0·05	0·08	—	—	0·02	0·02	0·03		23
24	—	0·21	—	0·32	—	0·03	—	—	—	0·02	0·03	—		24
25	0·32	0·06	—	0·16	—	—	—	0·02	—	—	1·02	—		25
26	—	—	0·04	0·03	0·02	—	0·05	0·24	—	0·17	0·05	0·05		26
27	—	0·31	0·03	0·02	—	0·31	0·03	0·05	—	0·08	0·02	—		27
28	—	0·07	0·05	0·04	—	0·56	0·44	0·07	—	—	0·46	—		28
29	—		0·21	0·03	—	0·29	0·33	—	—	0·19	0·34	—		29
30	—	✕	0·03	—	—	0·21	0·09	—	0·02	0·24	0·97	0·05		30
31	—	✕	—	✕	—	✕	0·41	0·03	✕	0·04	✕	0·02		31
TOTAL	6·45	5·18	3·43	2·42	0·80	3·42	5·83	2·60	2·20	2·28	7·28	2·24	Year's Total 44·16	✓
* Days with .01 in. or more.	20	21	22	20	8	16	27	16	13	19	28	13	223	✓
* Days with .04 in. or more.	18	17	18	13	4	11	22	13	8	13	20	10	167	✓

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) J. R. Watters.

[P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3608

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090 Daily

REGISTER OF RAINFALL IN 19~~3~~40

Kept at CHAPEL HOUSE ~~RESERVOIR~~

in the County of CUMBERLAND

Diameter of Funnel of Gauge 8 in.

Height of top of Gauge above Ground ... ft. 12 in.

" Ground " Sea Level 620 ft.

Days

Jan 18th 19th estd from nearby stns

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	—	—	—	0·05	—	—	0·03	—	—	—	0·22	0·54		1
2	—	—	—	0·14	—	—	0·29 ~~0·38~~	—	0·02	—	0·53	0·21		2
3	—	0·02	—	0·02	—	—	0·23	0·02	—	—	—	0·10		3
4	—	0·27	—	0·27	—	—	0·11	—	0·08	—	—	0·35		4
5	—	0·02	—	0·03	0·28	—	1·03 ~~0·03~~	—	—	0·03	0·08	0·65		5
6	0·05	—	—	—	—	—	0·06	0·03	—	0·70	0·39	—		6
7	—	—	—	—	0·05	—	—	0·24	0·36	0·35	0·08	0·04		7
8	—	—	0·19	0·02	—	—	—	0·45	—	0·05	0·20	0·14		8
9	0·03	—	1·14	—	—	—	0·41	0·41	0·33	0·66	0·37	0·30		9
10	—	—	0·13	—	—	—	0·68	0·43	0·02	0·78	0·39	0·03		10
11	—	—	1·08	0·10	0·03	—	1·02	—	—	0·15	1·29	—		11
12	—	—	1·14	—	—	—	—	0·04	1·06	—	0·04	0·02		12
13	—	0·02	0·08	0·03	—	—	0·17	0·11	0·11	—	0·25	0·05		13
14	—	—	0·07	0·28	—	—	0·03	0·25	0·10	—	0·07	0·14		14
15	—	—	0·05	—	0·09	—	—	0·02	0·05	0·14	0·41	0·08		15
16	—	—	0·08	0·08	—	—	0·51	—	1·61	0·17	0·05	0·34		16
17	—	—	0·18	—	—	—	1·12	0·34	0·24	0·09	0·23	0·07		17
18	✓ — (·25)	—	0·09	0·23	—	—	0·41	0·36	0·45	—	—	0·82		18
19	✓ —	0·12	0·55	0·14	—	—	0·05	—	0·43	—	0·27	0·05		19
20	—	—	0·22	0·31	—	—	0·15	0·38	0·03	0·06	0·15	—		20
21	—	—	0·20	0·03	—	0·65	—	0·03	0·05	0·07	—	—		21
22	—	0·03	—	—	0·03	0·53	0·02	0·03	0·38	—	0·04	0·03		22
23	0·02	0·21	—	0·09	—	—	0·44	—	0·17	0·03	0·16	—		23
24	0·05	—	0·02	—	0·05	0·03	0·15	—	—	—	0·03	—		24
25	0·75 ~~0·71~~	—	0·05	—	0·37	—	—	0·04	—	0·05	0·04	0·05		25
26	0·48	0·05	0·10	—	0·03	—	0·03	0·43	0·06	—	0·27	—		26
27	—	0·11	—	0·03	0·04	0·02	0·05	0·03	—	—	0·05	—		27
28	0·02	0·09	0·03	—	1·03	—	0·02	0·14	—	0·03	0·03	0·34		28
29	—	0·02	0·18	0·02	—	0·08	0·15	—	—	0·04	—	0·48		29
30	—	✕	0·03	—	0·05	—	—	—	—	0·40	0·04	0·05		30
31	—	✕	0·48	✕	0·03	✕	—	0·03	✕	0·31	✕	0·05		31
TOTAL	1·65 ~~1·40~~	0·96	6·09	1·84	2·08	1·31	7·16	3·81	5·55	4·11	5·68	4·93	Year's Total ~~44·95~~	45·20
* Days with .01 in. or more.	7	11	21	14	12	5	23	20	18	18	25	23	200	
* Days with .04 in. or more.	4	6	18	10	8	3	18	13	15	15	23	20	153	

WIGTON RURAL DISTRICT

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(Signed) J. R. WATTERS ENGINEER

To be filled and returned
to Dr. H. R. Mill,
British Rainfall Organization,
62 Camden Square, London, N.W.
Copies of this form will be supplied with pleasure.

FORM B.
BRITISH RAINFALL

3609

NUNWICK HALL

1931 - 39

780703

3609

RAINFALL IN 1931

At Nunwick Hall

In the County of Cumberland

Rain Gauge
Diameter of Funnel 5 in.
Height of Top — *Above Ground* 1 ft. – in.
Height of Top — *Above Sea Level* 268 ft

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with ·01 or more recorded.
	Inches.	Inches.	Date.	
Jan.	2.92	·44	28th	20
Feb.	2.66	·78	11th	23
Mar.	1.41	·43	13d	19
Apr.	2.14	·35	3d	19
May	2.49	·33	28th	17
June	4.56	1.78	14th	18
July	3.40	·59	8th	18
Aug.	3.11	·90	16th	15
Sept.	1.22	·30	4th	10
Oct.	2.28	·69	29th	12
Nov.	4.68	1.43	3rd	20
Dec.	1.93	·73	5th	17
Total	32.80			

Signed R Heywood Thompson

[*Please fill in the other side also.*

W. 12,000. XI.10.

and also the space for

egister should be sent:—

in Summer

Direction from
2½ mi gauge N

Direction from
Nearest Parish Church at 3 mi gauge N

Nature of objects nearest to gauge	Heather Bed			
Heights of objects	2 ft.			
Distances ..	5 ft.			
Directions from gauge ..	S.E.			

If gauge has been moved during the year state—

Date of move Distance Direction

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

M.O. 7
12 JAN 1932

*See Instruction 2 (*f*) below.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

3609

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to Dr. H. R. MILL,
British Rainfall Organization,
62 Camden Square, London, N.W.
Copies of this form will be supplied with pleasure.

FORM B.
BRITISH RAINFALL

RAINFALL IN 1931

At Nunwick Hall

In the County of Cumberland

Rain Gauge Diameter of Funnel 5 in.

Rain Gauge Height of Top *Above Ground* 1 ft. – in.

Rain Gauge Height of Top *Above Sea Level* 268 ft

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with ·01 or more recorded.*
	Inches.	Inches.	Date.	
Jan.	2.92	·44	28th	20
Feb.	2.66	·78	11th	23
Mar.	1.41	·43	13d	19
Apr.	2.14	·35	3d	19
May	2.49	·33	28th	17
June	4.56	1.78	14th	18
July	3.40	·59	8th	18
Aug.	3.11	·9	16th	15
Sept.	1.22	·30	4th	10
Oct.	2.28	·69	29th	12
Nov.	4.68	1.43	3rd	20
Dec.	1.93	·73	5th	17
Total	32.80			

Signed R Heywood Thompson

[*Please fill in the other side also.*

W. 12,000. XI.10.

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station Lazonby Distance 2½ mi Direction from gauge N

Nearest Parish Church at Gt. Salkeld Distance 3 mi Direction from gauge N.

Nature of objects nearest to gauge	Heather Bed			
Heights of objects	2 ft.			
Distances ..	5 ft.			
Directions from gauge ..	S.E.			

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

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(c) When was the measurement made?

M.O. 7
12 JAN 1932

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(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{r}17\\18\end{array}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

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(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

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(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

3609

FORM 1090. **B** Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1932

At Nunwick Hall

In the County of Cumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft* ...... *in.*
- *Height of Ground above Sea Level* ...... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	4·23	·78	9	17	14
FEB.	0·13	·03	10	8	0
MAR.	3·06	·77	29	19	13
APRIL	2·67	·27	9	21	16
MAY	2·42	·80	15	19	13
JUNE	1·76	·79	27	7	6
JULY	4·65	1·14	12	21	19
AUG.	1·63	·80	20	13	7
SEPT.	4·31	1·23	13	19	15
OCT.	5·82	1·19	8	25	23
NOV.	2·16	·62	22	16	13
DEC.	2·56	·89	16	19	15
Total	35·40			204	154

Signature R Heywood Thompson

*See Instruction 2 (*f*) below.

C Particulars of Station. No. 3609

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

R. Heywood Thompson Esq
Nunwick Hall, Penrith

Hour of observation by the clock—in Winter 9 a.m in Summer 9 a.m

Nearest Railway Station Lazonby Distance ...... Direction from gauge ......

Nearest Parish Church at Great Salkeld Distance ...... Direction from gauge ......

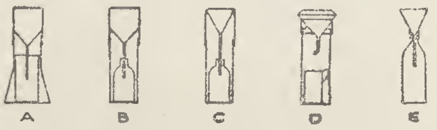
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move ...... Distance ...... Direction ......

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

M.O. 7
3 JAN 1933

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as* 0·1 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 | 18 | } ·14 | would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent, Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

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Section **A** for the entry of Daily Observations.

COPY FOR OFFICIAL USE.

Station No. 3609

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Kept at Nunwick Hall
in the County of Cumberland
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 2 ft – in.
,, Ground ,, Sea Level 258 ft.

Gauge
g.10.0. 24/1/34

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·15	·09	·10	–	–	–	–	–	–	–	·37	–	1
2	·75	·02	·01	–	–	·25	–	–	–	–	–	–	2
3	·08	·22	·08	–	·19	–	–	–	–	–	·04	–	3
4	·48	·18	·20	–	·21	–	–	–	–	–	·02	–	4
5	·22	·13	·20	–	–	–	–	–	–	–	·01	–	5
6	·–	·14	·28	–	·82	–	–	–	–	–	–	–	6
7	·04	·27	·03	–	·06	·03	·21	–	–	·44	–	–	7
8	·05	·02	·02	·26	·06	·06	·04	·01	–	·16	–	·01	8
9	·~~4~~	·34	–	–	·21	–	·26	–	–	·43	·05	·01	9
10	·14	–	–	–	·01	·38	·05	–	–	·18	–	–	10
11	–	–	–	·07	–	–	·09	–	–	·29	–	·05	11
12	–	–	–	–	–	·07	·06	–	–	·09	–	·02	12
13	–	–	·08	–	·17	–	·16	·19	–	·27	·19	–	13
14	·36	–	·11	–	–	–	·08	·06	–	·02	·71	·01	14
15	·06	–	·12	·04	·02	·08	·03	·04	–	·41	·08	–	15
16	–	–	·27	·13	·19	·04	–	·02	–	·05	·13	·05	16
17	·08	–	·05	·02	·02	·46	–	–	·11	–	·08	–	17
18	–	·07	·39	–	–	·49	·03	·11	–	–	·03	·10	18
19	–	–	–	–	–	·04	–	–	·31	–	·16	·01	19
20	–	·31	–	–	·33	·45	–	·04	·02	·01	–	–	20
21	–	–	–	–	–	–	–	·15	–	·01	–	–	21
22	–	–	–	–	·10	·31	–	·02	–	·09	–	–	22
23	–	–	–	·01	·01	·03	–	·18	·03	–	~~·03~~	~~·10~~	23
24	–	·01	–	·23	·22	·06	·01	–	·03	–	·03	·10	24
25	–	·23	–	·05	·02	–	–	–	·68	–	–	·07	25
26	–	·24	–	·09	–	–	–	–	·15	·41	–	–	26
27	–	·05	–	·02	–	–	·72	–	–	·02	·01	–	27
28	–	–	–	–	–	–	·05	·89	–	·26	–	·01	28
29	–	+	·10	·01	–	–	·01	·08	–	·14	–	·02	29
30	·06	×	–	·10	–	–	·16	–	–	·06	–	·18	30
31	·62	×	·04	×	–	×	·09	·29	×	·03	×	·04	31
TOTAL	3·04	2·32	2·08	1·03	2·64	2·75	2·05	2·08	1.33	3·37	1·91	0·64	YEAR'S TOTAL
*Days with ~~·01 in. or~~ more.		5·36	7·44	8·47	11·11	13·86	15·91	17·99	19·32	22·69	24·60	25·24	25·24
*Days with ·01 in. or more.	13	15	16	12	16	14	16	13	7	19	14	14	169
Days with ·04 or more 40-9999	13	12	13	8	11	12	12	10	4	14	9	7	125

*See Instruction 2 (*f*) on other side.

(Signed) R Heywood Thompson

P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3609

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

Kept at Nunwick Hall

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 2 ft — in.

,, Ground ,, Sea Level 258 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·03	—	·03	—	·01	—	—	·07	·10	—	—	·13		1
2	—	·02	·18	—	—	—	—	·39	·11	—	·20	·33		2
3	·07	—	·02	—	—	—	—	—	—	·18	·13	·14		3
4	·22	—	·05	—	—	—	—	—	·04	·24	—	·66		4
5	—	—	·08	—	·47	—	—	·06	·07	·07	·03	·13		5
6	·07	—	·04	·14	·40	·02	—	·20	·09	·22	—	·03		6
7	·25	·13	·06	·23	·01	·05	—	—	—	·03	~~·27~~	·14		7
8	—	—	—	—	·11	·02	—	—	·03	·27	—	·19		8
9	·01	—	—	·24	—	—	—	·15	·14	·06	·04	·28		9
10	·13	—	—	·01	—	—	—	·33	—	·04	·05	·03		10
11	·26	—	—	·74	—	—	—	·01	—	—	·05	—		11
12	·01	—	·13	·56	—	—	·33	·12	—	—	—	·05		12
13	·16	—	—	·13	·04	—	·67	·03	—	·03	·02	·04		13
14	·65	—	·15	—	—	·07	—	—	—	·33	—	·17		14
15	·20	—	·08	—	·41	—	·01	·04	·19	·21	·02	·21		15
16	·42	—	·62	—	·17	—	—	—	—	·01	—	·05		16
17	·10	—	·21	—	·36	—	·34	—	·42	—	·03	·31		17
18	·51	—	·08	·09	·32	·17	—	·05	·05	—	—	·37		18
19	—	—	·03	·16	·25	·23	·03	·08	·13	·10	—	·02		19
20	—	—	·01	·07	·08	·05	—	·12	·13	—	·01	—		20
21	—	—	·01	·01	—	·35	—	·15	·22	·05	—	—		21
22	—	—	·04	·02	—	·18	—	·16	·27	·11	·01	—		22
23	—	—	·05	·20	—	—	·09	·08	—	·52	·09	·01		23
24	—	·03	—	·18	·19	·07	—	—	·19	·55	—	—		24
25	·03	—	—	·16	·04	—	·09	—	·12	·48	—	·46		25
26	·06	—	·04	·11	—	·10	·17	—	·08	·40	—	·15		26
27	—	—	—	·03	—	·37	·04	—	·01	·24	—	·43		27
28	—	—	—	·22	—	·43	·20	·41	·01	·02	—	·54		28
29	—	×	—	—	—	—	·09	·23	·19	·13	—	·04		29
30	·64	×	—	—	—	—	—	—	·91	·22	—	·47		30
31	·01	×	—	×	—	×	·01	·08	×	—	×	·14		31
TOTAL	3·83	·18	1·91	3·30	2·86	2·11	2·07	2·76	3·50	4·51	0·68	5·52	Year's Total. 33·23	
* Days with .01 in. or more.	19	3 ~~4·01~~	19 ~~5·92~~	18 ~~9·22~~	14 ~~12·08~~	13 ~~14·19~~	12 ~~16·26~~	19 ~~19·02~~	21 ~~22·52~~	23 ~~27·03~~	12 ~~27·71~~	26	~~33·23~~	199
* Days with .04 in. or more.	14	1	14	14	12	11	9	17	18	19	6	22	154	

40-9999

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(Signed) pp. R. Heywood Thompson, E.D. [P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3609

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at Nunwick Hall

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 2 ft. in.

,, Ground ,, Sea Level 258 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·93	·06	·17	·03	—	—	·34	—	·43	·05	·11	·22		1
2	—	·07	·06	—	—	·03	—	—	·21	·17	·07	·02		2
3	—	·37	·14	·01	—	·11	—	—	·08	—	·33	·05		3
4	—	—	·08	—	—	·18	—	—	·08	·13	—	·03		4
5	—	·31	·03	—	—	·07	·02	—	·10	·04	·09	·06		5
6	·02	—	—	—	—	·35	—	—	—	·11	·08	—		6
7	—	—	—	·14	—	·18	—	—	—	·26	—	·12		7
8	—	—	—	·22	—	·15	—	·08	—	·35	—	·28		8
9	—	·03	—	·46	—	—	—	—	—	·72	·13	—		9
10	·10	·33	—	·27	—	·04	—	—	—	·11	·08	—		10
11	·41	·04	—	·06	—	·19	—	·15	—	·17	·15	—		11
12	—	·15	—	—	—	·16	—	—	·09	·01	·03	—		12
13	·15	·09	—	·04	·35	·20	—	—	·32	·05	·02	—		13
14	—	·02	—	—	·01	·02	—	—	·16	—	·22	·06		14
15	—	·50	—	·35	·30	—	—	—	·31	·12	·03	·40		15
16	·02	·61	·12	·60	·34	·12	·19	—	·33	—	·10	—		16
17	—	—	—	·30	—	·26	—	·01	·54	·02	·12	—		17
18	—	·08	—	—	—	·05	—	·06	·16	·44	·04	—		18
19	—	·12	—	·05	—	·10	·49	—	—	·17	·07	—		19
20	—	·31	—	·20	—	·04	—	—	—	—	·16	—		20
21	—	·04	·05	—	—	—	—	—	·29	·11	·16	·02		21
22	—	·14	·17	·12	—	—	—	—	—	—	—	—		22
23	·05	·05	·09	·03	—	·12	—	·24	—	·47	—	—		23
24	·21	·24	·16	—	—	—	—	—	·47	·06	—	·16		24
25	·24	—	·01	—	—	·02	—	—	—	—	·25	·15		25
26	—	—	—	—	—	·36	—	·96	·19	·14	—	·15		26
27	—	·13	—	—	—	·01	·01	—	·15	·29	·20	·08		27
28	·04	·22	·24	—	—	—	—	—	·19	·42	·03	·01		28
29	—	×	—	—	—	·04	—	·21	·13	·29	·15	·17		29
30	·01	×	—	—	—	·20	—	·17	·69	·53	·58	·03		30
31	·06	×	—	×	—	×	—	·05	×	·27	×	·33		31
TOTAL	2·24	3·91	1·32	2·88	1·00	3·06	1·11	1·93	5·42	5·50	3·20	2·24	Year's Total. 33·75	
	2·24	6·18	7·47	10·35	11·35	14·35	15·46	17·39	22·81	28·31	31·51	33·75		
* Days with .01 in. or more.	12	21	12	15	4	23	5	9	19	25	23	18	186	
* Days with .04 in. or more.	9	19	10	12	3	19	3	8	19	23	19	13	157	

40-9999

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(*Signed*) Cecil H. F. Thompson Lt Col

P.T.O.

COPY FOR OFFICIAL USE

Section A for the entry of Daily Observations

Station No. 3609

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1936

Totals

Days

Kept at NUNWICK HALL

in the County of CUMBERLAND

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 2 ft. in.

,, Ground ,, Sea Level 258 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·08	·11	·13	–	–	·17	·36	·39	·19	–	·04	·07		1
2	·03	–	–	–	–	–	1·10	·01	·16	–	·08	·09		2
3	·02	–	–	–	–	·28	–	–	·58	–	–	·06		3
4	·17	–	·11	–	–	–	·08	·03	·44	–	·39	·50		4
5	·14	–	·07	–	–	–	–	·26	·06	–	·18	·10		5
6	·11	–	·03	–	·02	·04	·21	·18	·47	–	·08	–		6
7	–	–	·02	–	–	–	–	–	·21	–	·48	·15		7
8	·14	–	·25	–	–	–	·60	·07	·31	–	·42	–		8
9	·86	–	·09	–	–	–	~~·60~~	–	–	–	·15	–		9
10	·39	–	–	–	–	–	·32	–	–	–	·30	–		10
11	–	–	–	·10	–	·02	·28	·10	·03	·01	·30	·16		11
12	–	–	–	·12	·04	·08	·10	–	·45	–	·05	·12		12
13	–	–	–	·10	–	–	·05	–	·13	·17	·02	1·05		13
14	–	–	–	·02	–	·18	·04	–	·10	–	·19	·72		14
15	–	–	·05	·01	–	·03	·01	·15	–	·01	·29	·46		15
16	·09	–	·06	–	–	·02	·02	–	–	·07	·47	·04		16
17	·08	·31	–	·09	·06	–	·09	–	–	·14	·19	·32		17
18	–	·15	–	·04	–	–	·30	·23	–	·19	–	·06		18
19	·17	·30	–	–	–	–	·21	·04	–	·10	–	·14		19
20	·25	·14	·02	·02	–	·01	·24	–	–	·04	–	–		20
21	·06	·09	·11	–	–	·29	–	–	–	–	–	·14		21
22	·05	·41	·03	–	–	·91	·09	–	–	–	–	–		22
23	·08	·18	·02	·05	·02	–	·52	–	–	·06	–	–		23
24	·01	–	–	·06	·30	·07	·35	–	·87	·84	–	–		24
25	·31	–	–	·09	–	–	·09	–	·31	·36	–	–		25
26	·26	·13	–	–	–	–	–	–	·31	·42	–	–		26
27	·27	·04	·05	–	–	–	–	–	·02	·31	–	–		27
28	·06	·18	·09	·01	–	–	·10	–	–	–	–	–		28
29	·01	·12	·21	–	·35	1·13	·03	–	–	·28	·04	·01		29
30	·04	×	·06	–	–	·07	·15	–	–	·19	·04	·05		30
31	·04	×	·12	×	·04	×	–	–	×	–	×	·22		31
TOTAL	3·72	2·16	1·53	·71	·83	3·30	5·34	1·46	4·64	3·19	3·71	4·46	Year's Total 3505	✓
* Days with .01 in. or more.	~~3·72~~ 24	~~5·88~~ 12	~~7·41~~ 18	~~8·12~~ 12	~~8·95~~ 7	~~12·25~~ 14	~~17·59~~ 23	~~19·05~~ 10	~~23·69~~ 16	~~26·88~~ 15	~~30·59~~ 18	~~35·05~~ 19	188	✓
* Days with .04 in. or more.	20	12	13	8	6	10	20	8	14	13	17	18	158	✓

† Spare column, no entries required.

(*Signed*) Cecil H. F. Thompson [P.T.O.

* See Instruction 3 (f) on other side.

COPY FOR OFFICIAL USE

Section A for the entry of Daily Observations

Station No. 3609

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1937

Days

Kept at NUNWICK HALL

in the County of CUMBERLAND

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 2 ft. in.

,, Ground ,, Sea Level 258 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ✓

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·05	—	·33	—	—	·03	·02	—	·30	·20	—	·01		1
2	·04	·18	—	·16	—	·08	—	—	·04	·02	—	·04		2
3	—	·32	·07	·05	·05	·16	·11	—	—	—	—	—		3
4	·47	·04	—	·44	·16	—	·10	·07	·35	—	—	·42		4
5	·27	·02	—	·29	·05	—	·08	—	·42	—	—	·19		5
6	·11	—	—	·07	·08	·06	—	—	·09	—	—	—		6
7	·06	—	—	·15	·04	·08	·47	—	·11	—	·02	·10		7
8	—	·34	—	·05	—	—	·23	·05	—	—	—	—		8
9	—	·01	—	·08	·08	—	·10	·12	—	—	—	—		9
10	·01	·16	—	—	·10	—	·04	—	—	—	—	·14		10
11	·02	—	·10	—	—	—	—	—	—	—	—	·42		11
12	·41	·36	·08	·07	·04	·11	—	·12	·10	—	—	·05		12
13	—	·08	—	·02	—	·68	—	·08	·01	—	—	·19		13
14	—	·06	·03	—	—	—	·08	·41	·01	—	—	·43		14
15	·19	·52	·01	·07	—	—	·56	—	·27	—	—	·38		15
16	·05	·21	·44	·37	—	—	—	·11	—	—	—	—		16
17	·27	·05	·11	·06	—	—	—	—	·64	—	—	—		17
18	—	·12	·06	·01	—	·11	—	·22	—	—	·07	—		18
19	—	·15	·01	—	·09	·01	—	—	—	—	·02	—		19
20	·47	·03	—	·04	·80	·12	·05	—	·05	·02	·05	·06		20
21	·27	·02	·03	·09	·19	—	·27	—	—	·04	·01	·07		21
22	·08	—	·09	·04	·21	—	·08	—	—	—	·01	·10		22
23	·15	—	·03	—	·08	—	·21	—	·14	·72	—	·01		23
24	·26	—	·11	—	—	—	·07	—	—	·14	—	·02		24
25	·01	·35	·03	—	—	—	—	—	—	·13	—	—		25
26	—	·21	—	—	·44	—	—	—	—	—	—	—		26
27	—	·24	—	·26	—	—	—	—	·08	·28	—	·02		27
28	—	·61	—	—	—	·08	—	—	—	·04	—	—		28
29	—	×	—	—	—	·04	—	·12	—	·03	—	·02		29
30	·03		—	—	—	·03	—	·17	·01	·03	·06	—		30
31	·10		—		·02		—	·36		·01		·01		31
TOTAL	3·32	4·08	1·53	2·32	2·43	1·59	2·47	1·83	2·62	1·66	·24	2·68	Year's Total 26·77	✓
* Days with .01 in. or more.	20 ~~3·32~~	21 ~~7·40~~	15 ~~8·93~~	18 ~~11·25~~	15 ~~13·68~~	13 ~~15·27~~	15 ~~17·74~~	11 ~~19·57~~	15 ~~22·19~~	12 ~~23·85~~	7 ~~24·09~~	19 ~~26·77~~	181	✓
* Days with .04 in. or more.	16	17	9	16	14	10	14	11	12	7	3	13	142.	✓

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*) Cecil H. F. Thompson [P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3609

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

Kept at NUNWICK HALL

in the County of CUMBERLAND

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 2 ft. in.

,, Ground ,, Sea Level 258 ft.

Totals

VWSR

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	—	·06	·04	—	—	·55	—	—	·04	—	·17	·20		1
2	—	·01	—	·15	—	·39	·02	—	·11	·66	·20	·20		2
3	·02	·03	—	—	—	·01	·32	—	·19	1·09	·18	—		3
4	—	·02	—	·03	—	·07	·14	—	—	·27	—	·62		4
5	·02	·03	—	—	—	·17	·15	—	·06	·37	—	·02		5
6	·35	—	—	—	—	·12	·04	—	—	·43	—	·17		6
7	·15	—	—	—	—	—	·63	·01	—	·27	·05	·04		7
8	·17	·02	—	—	—	·01	·37	·18	—	·59	·18	·08		8
9	·66	·23	—	—	·05	·21	—	—	—	·04	—	·59		9
10	—	·03	—	—	—	·08	·06	—	—	·20	—	·06		10
11	·22	·02	—	—	·04	—	·04	—	—	·08	·17	·18		11
12	·18	—	—	—	·11	—	·01	—	—	·61	1·08	·03		12
13	·05	·01	—	—	·05	—	·10	—	·07	·07	·24	·10		13
14	·60	·01	—	—	·05	—	—	—	—	—	—	—		14
15	·22	—	·07	—	·11	—	—	·53	·01	·10	—	·34		15
16	·24	—	·09	—	·13	—	—	·18	·13	·21	·04	·01		16
17	·07	—	—	—	·04	—	·03	·17	·25	·69	—	—		17
18	·04	—	—	—	—	·06	—	·07	·03	·23	·31	—		18
19	—	—	·36	—	—	—	—	·22	·03	—	·08	—		19
20	·20	—	·75	—	—	—	—	·20	·21	—	·02	·08		20
21	—	—	·02	·03	·01	—	—	·33	·16	—	·31	·06		21
22	—	—	—	—	·08	—	—	—	—	—	·38	·04		22
23	·23	—	—	—	·29	·19	—	·05	·04	—	·52	—		23
24	·33	—	·03	—	—	·06	—	·07	·16	·36	·18	—		24
25	·03	·06	·12	—	·10	—	1·14	—	—	·20	·10	—		25
26	·13	·29	·13	—	·09	·39	—	—	—	·42	—	·01		26
27	·10	·08	—	—	·13	·30	·29	·15	·02	·04	·15	·09		27
28	·33	·03	·01	—	·82	·82	·02	·12	—	—	·08	·21		28
29	·17	×	—	—	·33	·04	·32	—	—	·06	·24	·23		29
30	·02	✕	—	—	—	—	·18	—	·42	·12	·55	—		30
31	·33	✕	—	✕	·26	✕	—	—	✕	·28	✕	·47		31
													Year's Total	
TOTAL	4·18	·93	1·62	·21	2·62	3·47	3·83	2·28	1·93	7·39	5·20	3·80	37·46 ✓	
* Days with .01 in. or more.	~~4·18~~	~~5·11.~~	~~6·73~~	~~6·94~~	~~9·56~~	~~13·03~~	~~16·86~~	~~19·14~~	~~21·07~~	~~28·46~~	~~33·66~~	~~37·46~~	~~37·46~~	
* Days with .04 in. or more.	24 ✓	15 ✓	10 ✓	3 ✓	17 ✓	16 ✓	17 ✓	13 ✓	16 ✓	23 ✓	21 ✓	22 ✓	197 ✓	✓
·04 in or more	19	5	7	1	15	14	13	12	12	23	20	18	159	✓

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*) Cecil H. F. Thompson [P.T.O.

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Section **A** for the entry of Daily Observations

Station No. 3609

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at NUNWICK HALL

in the County of CUMBERLAND

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 2 ft. in.

,, Ground ,, Sea Level 258 ft.

Days

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

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Jan. 1, following

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Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·16	—	·24	—	—	—	·07	·04	·02	—	—	·19	—	1
2	—	—	·07	·03	—	—	·21	·36	·53	—	·02	·11		2
3	—	—	·06	—	—	—	·03	·06	·08	—	·03	·40		3
4	—	—	·59	—	—	—	·38	—	·05	—	—	·02		4
5	—	—	·08	—	·17	—	·31	—	—	·09	·58	·01		5
6	·29	·04	·07	—	—	—	·26	—	—	—	·17	—		6
7	·21	·14	·21	—	—	—	·03	—	·03	—	·07	·04		7
8	·59	·31	·26	·04	—	—	·27	·03	·05	—	·42	·42		8
9	·39	·09	—	—	—	—	·27	·45	·01	·58	·03	·09		9
10	·04	—	—	—	—	·32	—	·30	·19	·08	·06	—		10
11	·03	·24	·48	—	—	·08	—	—	—	·03	·05	—		11
12	·04	·09	—	—	—	—	—	·04	·13	·34	·04	—		12
13	·18	—	·01	·18	·16	—	·14	—	·06	·09	·06	—		13
14	·55	—	—	·16	·21	·34	·05	—	—	·03	·31	—		14
15	·56	·02	·08	·05	—	·39	—	—	—	—	·16	—		15
16	·46	—	·12	·04	·08	—	·73	—	—	—	·12	—		16
17	·22	·06	·03	·11	—	—	·21	—	—	—	·01	—		17
18	·05	·12	·18	—	—	·04	·03	—	—	·02	·67	—		18
19	·21	—	·02	—	—	·01	·04	—	—	—	—	—		19
20	·04	—	·01	—	·22	·01	—	—	—	—	—	—		20
21	·14	·23	·05	·14	—	—	—	·08	—	—	—	—		21
22	·42	·05	·05	·03	—	—	·02	—	—	·05	·25	—		22
23	·10	·22	·10	·24	—	·03	·03	·02	—	—	—	—		23
24	·01	·15	·04	·08	—	—	·01	—	—	—	·01	—		24
25	·28	·04	—	·04	—	·02	—	·04	—	—	·56	·06		25
26	·02	·05	·02	—	—	·25	—	·35	—	·48	·04	—		26
27	—	·33	·21	·02	—	·09	·09	·66	—	·15	·11	—		27
28	—	·09	·09	·06	—	·41	·17	—	—	—	·41	—		28
29	—	×	—	—	—	·11	·35	—	—	·10	·08	—		29
30	—	×	—	—	—	·44	·02	—	—	—	·48	—		30
31	—	×	—	×	—	×	·41	—	×	—	×	—		31
TOTAL	4·99	2·27	3·07	1·22	·84	2·54	4·13	2·43	1·15	2·04	4·71	1·34	Year's Total	
~~* Days with .01 in. or more.~~	~~4·99~~	~~7·26~~	~~10·33~~	~~11·55~~	~~12·39~~	~~14·93~~	~~19·06~~	~~21·49~~	~~22·64~~	~~24·68~~	~~29·39~~	~~30·73~~	30·73	
* Days with ·01 in. or more.	22	17	23	14	5	14	23	12	10	12	24	9	185	
	19	16	18	11	5	10	16	10	7	9	18	7	146	

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) .... [P.T.O.

3610·

Section **A** for the e
AIR MI

3610

CUMBERLAND
ENNIM

1931-32

780703

COPY FOR OFFICIAL USE.
RAINFALL ORGANIZATION.

FORM 1090. **RE** 193 1.

Kept at Enni

in the County of C

Diameter of Funnel of Ga
Height of top of Gauge abo
,, Ground ,,

THE MORNING **VIOUS DAY.**

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Jan. 1, following

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Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	—	—	·02	·08	—	·01	·02	—	·28	·14	—	—	1
2	—	·08	—	·27	—	·79	·04	—	·29	·12	·71	·71	2
3	—	—	—	—	—	·05	·20	—	·48	·14	2·35	·49	3
4	—	·06	—	·28	·02	—	—	—	·27	·01	·07	·10	4
5	—	—	—	—	·19	·35	·10	·09	·02	·03	·33	·74	5
6	—	·21	—	—	—	·25	·59	—	·02	·43	—	—	6
7	—	·05		—	—	·31	—	·37	—	·14	·11	·13	7
8	—	·08	·01	—	·03	·07	·48	·04	—	·19	·10	·01	8
9	·10	·28	SNOW	·11	·04	—	·01	—	—	·38	·15	—	9
10	·02	·20	·15	—	·25	·20	·13	·02	—	—	·32	—	10
11	·30	·93	—	·05	—	—	·29	—	·13	·03	·39	—	11
12	—	·01	—	—	—	·06	·01	—	·01	·13	·05	—	12
13	—	—	·52	—	·15	·06	·35	·05	—	—	—	—	13
14	·07	—	·05	—	·19	1·96	·08	·25	·02	—	·35	·04	14
15	—	·28	—	·29	·01	·09	·02	·24	—	—	—	·01	15
16	·21	·06	—	·28	—	—	·09	·88	·13	—	—	—	16
17	·01	·12	—	·18	·23	·21	·16	·17	—	—	·08	—	17
18	·14	·03	—	·10	—	·18	·05	·01	—	—	·41	—	18
19	·05	·15	—	—	—	·02	·14	·58	·02	·02	—	—	19
20	—	·14	·01	—	—	—	—	·04	—	—	·15	·02	20
21	·07	·27	·14	·03	·12	·08	—	·20	—	—	—	—	21
22	·46	·12	·17	·05	·20	·16	·25	—	—	—	·02	·02	22
23	·48	—	—	·18	·19	·18	—	—	—	·03	·53	·33	23
24	·49	·10	—	·12	·25	—	·01	—	—	—	·07	·03	24
25	·14	·22	—	·29	—	—	—	—	—	—	·08	—	25
26	—	—	—	·24	—	—	—	—	—	·02	·37	—	26
27	·19	·01	—	·14	—	—	·39	—	—	·33	·09	·07	27
28	·32	·02	—	·05	·51	—	·20	—	—	—	·01	·08	28
29	·08		—	—	·10	—	·57	—	—	·43	·07	—	29
30	—	×	—	·01	·26	—	·01	—	·02	—	—	—	30
31	·57	×	—	×	—	×	·10	—	×	·03	×	·20	31
TOTAL	3.70	3.42	1.07	2.75	2.74	5.03	4.29	2.94	1.69	2.60	6.81	2.98	YEAR'S TOTAL 40.02
*Days with ·01 in. or more.	17	21	8	18	16	18	24	13	12	17	22	15	201
*Days with ·04 in. or more.	16	17	5	16	13	16	18	11	6	10	20	10	158

40-9999

*See Instruction 2 (*f*) on other side.

(Signed) Joseph Smith

Gardener to Br. Col. Riley D.S.O. C.B.E.

[P.T.O.

3610

Section **A** for the entry of Daily Observations. COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1931.

Kept at Ennim

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft — in.

„ Ground „ Sea Level 660 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

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	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	—	—	·02	·08	—	·01	·02	—	·28	·14	—	—	1
2	—	·08	—	·27	—	·79	·04	—	·29	·12	·71	·71	2
3	—	—	—	—	—	·05	·20	—	·48	·14	2·35	·49	3
4	—	·06	—	·28	·02	—	—	—	·27	·01	·07	·10	4
5	—	—	—	—	·19	·35	·10	·09	·02	·03	·33	·74	5
6	—	·21	—	—	—	·25	·59	—	·02	·43	—	—	6
7	—	·05		—	—	·31	—	·37	—	·14	·11	·13	7
8	—	·08	·01	—	·03	·07	·48	·04	—	·19	·10	·01	8
9	·10	·28	SNOW	·11	·04	—	·01	—	—	·38	·15	—	9
10	·02	·20	·15	—	·25	·20	·13	·02	—	—	·32	—	10
11	·30	·93	—	·05	—	—	·29	—	·13	·03	·39	—	11
12	—	·01	—	—	—	·06	·01	—	·01	·13	·05	—	12
13	—	—	·52	—	·15	·06	·35	·05	—	—	—	—	13
14	·07	—	·05	—	·19	1·96	·08	·25	·02	—	·35	·04	14
15	—	·28	—	·29	·01	·09	·02	·24	—	—	—	·01	15
16	·21	·06	—	·28	—	—	·09	·88	·13	—	—	—	16
17	·01	·12	—	·18	·23	·21	·16	·17	—	—	·08	—	17
18	·14	·03	—	·10	—	·18	·05	·01	—	—	·41	—	18
19	·05	·15	—	—	—	·02	·14	·58	·02	·02	—	—	19
20	—	·14	·01	—	—	—	—	·04	—	—	·15	·02	20
21	·07	·27	·14	·03	·12	·08	—	·20	—	—	—	—	21
22	·46	·12	·17	·05	·20	·16	·25	—	—	—	·02	·02	22
23	·48	—	—	·18	·19	·18	—	—	—	·03	·53	·33	23
24	·49	·10	—	·12	·25	—	·01	—	—	—	·07	·03	24
25	·14	·22	—	·29	—	—	—	—	—	—	·08	—	25
26	—	—	—	·24	—	—	—	—	—	·02	·37	—	26
27	·19	·01	—	·14	—	—	·39	—	—	·33	·09	·07	27
28	·32	·02	—	·05	·51	—	·20	—	—	—	·01	·08	28
29	·08		—	—	·10	—	·57	—	—	·43	·07	—	29
30	—	×	—	·01	·26	—	·01	—	·02	—	—	—	30
31	·57	×	—	×	—	×	·10	—	×	·03	×	·20	31
TOTAL	3.70	3.42	1.07	2.75	2.74	5.03	4.29	2.94	1.69	2.60	6.81	2.98	YEAR'S TOTAL 40.02
*Days with ·01 in. or more.	17	21	8	18	16	18	24	13	12	17	22	15	201
*Days with ·04 in. or more.	16	17	5	16	13	16	18	11	6	10	20	10	158

40-9999

*See Instruction 2 (*f*) on other side.

(*Signed*) Joseph Smith

Gardener to Br. Col. Riley D.S.O. C.B.E.

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3610

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

Kept at Ennim

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft — in.

,, Ground ,, Sea Level 660 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	.31	T.R.	—	.19	T.R.	—	.05	.02	.81	.13	.17	.38	1
2	1.02	T.R.	—	T.R	.35	—	.35	.02	.53	.07	.19	.45	2
3	.49	—	—	T.R.	—	—	.06	.05	.14	.02	.05	.31	3
4	.24	—	.04	—	.01	—	.41	.03	.04	.01	—	.08	4
5	.58	—	.32	.04	.03	—	.02	.01	.11	—	—	—	5
6	.38	—	.18 SNOW	.41	.02	—	—	—	.02	.29	—	—	6
7	.11	—	.47	.12	.12 HAIL	—	—	—	.05	.37	—	—	7
8	T.R.	—	—	.08	.04	—	—	—	.36	.97	T.R	—	8
9	1.26	SNOW	—	1.12	.07	—	—	—	.05	.08	—	T.R	9
10	.18		.02 SNOW	.29	—	—	—	—	.81	.36	—	—	10
11	.01	.05	.03 SN	.07	.30	.03	.89	.15	.13	T.R.	—	—	11
12	.45	—	—	—	.32	.02	.77	.01	.06	.35	—	—	12
13	.18	T.R.	—	.23	.10	—	.88	.01	.85	.21	—	.05	13
14	.79	—	—	.06	—	—	—	—	T.R	—	T.R.	.07	14
15	.53	—	—	.02	.47	—	—	T.R.	—	.05	.08	.18	15
16	1.08	—	—	—	—	—	.02	—	—	.10	—	1.43	16
17	T.R.	—	—	T.R.	.20	—	.09	T.R.	.01	.99	T.R	.11	17
18	—	—	—	—	.10	—	—	—	.05	.03	T.R	.03	18
19	—	—	.07	.20	.07	—	.04	—	—	.09	—	.04	19
20	.03	—	.01	.25	T.R.	—	—	1.03	—	.20	.07	.03	20
21	.02	—	T.R.	.18	—	—	.04	.19	—	.88	.15	.20	21
22	.03	T.R.	.63	.21	—	—	.11	—	—	.13	.82	.19	22
23	—	T.R.	.11	.04	—	—	.07	—	T.R.	.11	.37	.11	23
24	.03	—	.01	T.R.	T.R.	T.R.	.17	—	.20	.02	.02	—	24
25	—	T.R	T.R.	.10 Snow	.15	T.R.	.11	T.R.	.17	.33	.23	—	25
26	—	T.R	—	—	.08	—	.45	T.R.	.31	.14	.32	—	26
27	—	T.R	.38	.02	T.R.	.83	.36	T.R.	—	.02	.07	.05	27
28	—	—	.16	.04	.37	.02	.09	—	—	.04	.02	.03	28
29	T.R.	—	.92	.07	.12	.04	.59	.21	—	.33	.26	.17	29
30	—	×	.10	.10	—	.86	.14	T.R.	.50	.19	.11	—	30
31	T.R.	×	.02	×	—	×	.02	.11	×	T.R	×	.15	31
TOTAL	7.72	.05	3.47	3.84	2.92	1.80	5.73	1.84	5.20	6.51	2.93	4.06	YEAR'S TOTAL 46.07
*Days with ·01 in. or more.	19	Snow 4.6 9. 11*	16	21	18	6	22	12	19	27	15	19	194
*Days with .04 in. or more.	14		11	19	15	3	19	6	17	22	13	16	155

. 40-9999

*See Instruction 2 (*f*) on other side,

(*Signed*) Joseph Smith (Gardener)

[P.T.O.

Section **A** for the entry of Dai CA

AIR MINISTRY.—M

FORM 1090.

REGISTE

Kept at "Wellbank" Ta

in the County of Cumb

Diameter of Funnel of Gauge 5

Height of top of Gauge above Ground

,, Ground ,, Sea Level

THE MORNING MEASUREM

3610/5

CALDBECK.

WELLBANK

1931-40

780703

3610/5

FOR OFFICIAL USE.

L ORGANIZATION.

Cumberland 5/1

H. 8.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18												·—	18
19												·—	19
20												Trace	20
21												·—	21
22												·02	22
23												·87	23
24												·18	24
25												·04	25
26												·08	26
27												·36	27
28											Snow →	·22	28
29												·—	29
30		✕										·—	30
31		✕		✕		✕			✕		✕	·43	31
TOTAL													YEAR'S TOTAL
*Days with ·01 in. or more.													
*Days with ·04 in. or more.													

40-9999

N

(Signed) Ruby A. S. Streatfeild [P.T.O.

*See Instruction 2 (*f*) on other side.

CA 154269/31. 361015

Section A for the entry of Daily Observations. FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1931.

Cumberland 5/1

Kept at "Welbank" Troutbeck Penrith. map ref No9 H.8.

in the County of Cumberland.

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft 7 in.

,, Ground ,, Sea Level 800 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18												·—	18
19												·—	19
20												Trace	20
21												·—	21
22												·02	22
23												·87	23
24												·18	24
25												·04	25
26												·08	26
27												·36	27
28											Snow →	·22	28
29												·—	29
30		×										·—	30
31		×		×		×			×		×	·43	31
TOTAL													YEAR'S TOTAL
*Days with ·01 in. or more.													
*Days with ·04 in. or more.													

40-9999

N

*See Instruction 2 (*f*) on other side.

(*Signed*) Ruby A. S. Streatfeild [P.T.O.

X CALDBECK (WELLBANK) X

154269/31

COPY FOR OFFICIAL USE.

Section **A** **for the entry of Daily Observations.** **Station No.** 3610/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

Cumb/1

Kept at Wellbank, Troutbeck, Penrith

in the County of Cumberland

Cumb 1931.

OK. pair

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

" Ground " Sea Level 800 ft.

accumulation March-April allocated 10/3/33

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1		·—	·—	x	·—	·—	·16	·09	1·53	·28	·25	1·25	1
2		·—	·—		·25	·—	·59	·01	·73	·11	·15	·48	2
3		·04	·—	(·25)	·—	Trace	·07	·10	·43	Trace	·57	·47	3
4		·—	·—	~~2·85~~	·—	·—	·40	·03	·08	·06	Trace	·22	4
5		·—	·50	x	·10	·02	·—	·05	·26	Trace	·—	·—	5
6		·—	·31	x 1·72	·12	·—	·—	·—	·07	·84	·—	·—	6
7		·—	·95	x	·09	·05	·—	·—	·16	·91	·—	·—	7
8		·—	·—	+	·04	·—	·—	·—	·61	·59	Trace	·—	8
9		Trace	·—	+1·46	·09	·—	·—	·—	·27	·24	·—	·—	9
10		·—	·03	·30	·—	·—	·—	·—	1·25	·12	·—	·—	10
11		Trace	·—	·04	·30	·01	·36	·—	·09	·—	·—	·—	11
12		·—	·—	·—	·61	·—	1·72	·16	·06	1·03	·—	·—	12
13		·03	·—	·62	·11	·—	·13	Trace	1·54	·35	·—	·06	13
14		·—	·—	·11	·—	·—	·—	·—	·—	Trace	·02	·50	14
15		·—	·—	·06	·39	·—	·—	·—	·—	·17	·05	·25	15
16		·—	·—	·—	·—	·—	·02	·—	·—	·33	·—	2·82	16
17		·—	·—	·—	·—	·—	·07	·06	·—	·86	·—	1·20	17
18		·—	·—	·—	·21	·—	·—	·—	·09	·—	·—	·57	18
19		·—	·09	·23	·15	·—	·16	·—	·—	·19	·—	·28	19
20		·—	·01	·45	·—	·—	·02	·—	·—	·40	·19	·02	20
21		·—	·59	·15	·—	·—	·10	·17	·—	1·03	·27	·36	21
22		·—	·31	·42	·—	·—	·41	·—	·—	·41	1·21	·37	22
23		·02	Trace	·21	·03	·—	·06	·—	·07	·05	·68	·16	23
24		·—	✓	Trace	·02	·05	·04	·—	·50	Trace	·13	·03	24
25		Trace		·10	·25	·07	·13	·01	·33	·56	·59	·—	25
26		·—		·—	·10	·02	·59	·—	·47	·27	·15	·—	26
27		·—	x	Trace	·—	·76	1·03	·06	·—	·12	·07	·25	27
28		·—	x	·06	·29	·—	·09	Trace	·—	Trace	·04	·06	28
29		·—	x	·10	·05	·10	·63	·09	·—	·71	·68	·40	29
30		X		·10	·—	·77	·21	·30	·74	·81	·11	·—	30
31		X	(2·60)	X	·—	X	·07	·03	X	·01	X	·16	31
TOTAL	14·68	·09	~~[illegible]~~ (5·30)	~~8·96~~ (6·58)	3·20	1·85	7·06	1·96	9·18	10·43	6·16	9·86	YEAR'S TOTAL 75·24
*Days with ·01 in. or more.	(20)	3	(14)	(20)	18	9	22	13	19	24	16	20	(198)
*Days with ·04 in. or more.	(15)	1	(11)	(20)	16	6	20	9	19	23	15	18	(173)

Daily record not kept. But total is accurate.

Recorded with April

40-9999

*See Instruction 2 (*f*) on other side.

(Signed) Ruby A. S. Streatfeild

X MISS R.A.S. STREATFIELD X

P.T.O.

~~Gauge No. 1104/28~~

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

3610/5

B.A

Kept at Welbank Troutbeck Penrith

in the County of Cumberland.

Diameter of Funnel of Gauge 5" in.

Height of top of Gauge above Ground ~~1~~ ft 12 in.

,, Ground ,, Sea Level 800 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·13	·10	·10	·–	·–	·–	·–	·05	·03	·–	·52	·–		1
2	2·25	·08	·03	·13	·–	·50	·–	·06	·–	·–	·–	·–		2
3	·27	·93	·04	·17	·30	·–	·–	·–	·–	·–	·02	·–		3
4	1·06	1·53	·62	·–	·18	·–	·–	·–	·–	·–	·–	·–		4
5	·24	·57	·79	·–	·10	·–	·–	·–	·–	·–	·–	·–		5
6	·02	·16	·37	·–	·53	·–	·–	·–	·–	·–	·–	·02		6
7	·21	·30	·06	·–	·15	·–	·51	·14	·–	·73	·–	·–		7
8	·22	·08	·36	·59	·14	·12	·14	·03	·–	·21	·–	·–		8
9	·	1·14	Trace	·05	·47	·–	·68	·–	·–	1·03	·15	·02		9
10	·	·24	·03	·–	Trace	·26	·33	·–	·–	·25	·–	·01		10
11	·41	·–	·–	·17	Trace	·–	·36	·–	·–	1·11	·–	·09		11
12	·	·03	·–	·–	·–	Trace	·23	·–	·–	·05	·02	·01		12
13	·03	·–	·15	·–	·18	·–	·49	·14	·06	·31	·35	·–		13
14		·–	·13	·–	·02	·–	·12	·02	·–	·01	·60	·–		14
15	1·27	·–	·61	·05	·06	·10	·10	·13	·–	·76	·17	·–		15
16		·02	·55	·28	·12	·43	·–	·11	·–	·21	·06	·02		16
17		·–	·29	·–	·01	1·76	·02	·30	·22	·01	·06	·–		17
18		Trace	·71	·–	·–	·32	Trace	·30	Trace	·–	·03	·05		18
19	·12	Trace	·16	·01	·–	·07	·–	·11	·15	·–	·36	·–		19
20	·–	·21	·–	·–	·36	·–	·–	·64	·04	Trace	Trace	·01		20
21	·–	·02	·–	·–	·–	·–	·–	·13	·–	Trace	·01	·–		21
22	·–	·–	·–	·–	·81	·–	·–	·04	·–	·16	·–	·–		22
23	·–	Trace	·–	·08	·–	·–	·–	·19	·–	Trace	·–	·–		23
24	·–	·25	·–	·28	·36	·14	·10	Trace	·30	·–	·01	·15		24
25	·–	·76	·–	Trace	Trace	·–	·15	·05	·31	·–	·–	·08		25
26	·–	·72	·–	·11	·–	·–	·–	·–	·18	·55	·–	·–		26
27	·–	·37	·–	·05	·–	·–	·34	·–	·–	·05	·–	Trace		27
28	·–	·05	·–	·–	·–	·–	·09	·75	·–	·28	·–	·01		28
29	·–	×	·11	·11	Trace	·–	·12	·02	·–	·19	·–	·15		29
30	·06	×	·07	·12	·–	Trace	1·30	·–	·–	·18	·–	·29		30
31	3·05	×	·10	×	·–	×	·07	·65	×	·07	×	·06		31
TOTAL	9·34	7·55	5·28	~~2·30~~ 2·20	3·79	3·69	5·15	3·85	1·29	6·16	2·36	·97	Year's Total	51·63
*Days with ·01 in. or more.	(14)	19	19	14	15	9	17	19	8	18	13	13		(178)
*Days with ·04 in. or more.	(11)	16	17	13	13	9	16	16	7	16	8	7		(148)

40-9999

*See Instruction 2 (*f*) on other side.

D

† Spare column, no entries required.

(*Signed*) Ruby A. S. Streatfeild

[P.T.O.

3610/5

Oct. wrong ·1 sent
adjusted by [illegible]

Section **A** for the entry of Daily Observations. **COPY FOR OFFICIAL USE.**

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Kept at Troutbeck, Wellbank

in the County of Cumberland

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

,, Ground ,, Sea Level .... ft.

Duplicate

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·13	·10	·10					·05	·03		·52		1
2	2·25	·08	·03	·13		·50		·05					2
3	·27	·93	·04	·17	·30						·02		3
4	1·06	1·53	·62		·18								4
5	·24	·57	·79		·10								5
6	·02	·15	·37		·53							·02	6
7	·21	·30	·06		·15		·51	·14		·73			7
8	·22	·08	·36	·59	·14	·12	·14	·03		·21			8
9		1·14		·05	·47		·68			1·03	·15	·02	9
10		·24	·03			·26	·33			·25		·01	10
11	·41			·17			·36			1·11		·09	11
12		·03					·23			·05	·02	·01	12
13	·03		·15		·18		·49	·14	·06	·31	·35		13
14			·13		·02		·12	·02		·01	·60		14
15	1·27		·61	·05	·06	·10	·10	·13		·76	·17		15
16		·02	·55	·28	·12	·43		·11		·21	·06	·02	16
17			·29		·01	1·75	·02	·30	·22	·01	·06		17
18			·71			·32		·30			·03	·05	18
19	·12		·16	·01		·07		·11	·15		·36	—	19
20		·21			·36			·64	·04			·01	20
21		·02						·13			·01		21
22					·81			·04		·16			22
23				·08				·19					23
24		·25		·28	·36	·14	·10		·30		·01	·15	24
25		·76					·15	·05	·31			·08	25
26		·72		·11					·18	·55			26
27		·37		·05			·34			·05			27
28		·05					·09	·75		·28		·01	28
29			·11	·11			·12	·02		·19		·15	29
30	·06	✕	·07	·12			1·30			·18		·29	30
31	3·05	✕	·10	✕		✕	·07	·65	✕	·07	✕	·06	31
TOTAL	9·34	7·55	5·28	2·~~8~~0 2	3·79	3·69	5·15	3·85	1·29 ~~1·33~~	6·16	2·36	·97	YEAR'S TOTAL 51·6~~7~~3
*Days with ·01 in. or more.		19	19	14	15	9	17	19	8	18	13	14	
*Days with ·04 in. or more.		16	17	13	13	9	16	16	7	16	8	7	

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*See Instruction 2 (*f*) on other side.

M

(*Signed*) Mrs Streatfield [P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 3610/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

Kept at Troutbeck, Wellbank

in the County of Cumberland

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

,, Ground ,, Sea Level .... ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·26		·35		·01			·29	·01			·07		1
2			·44					1·09	·39		·36	·30		2
3	·85		·04					·07	·03	·25	·20	·17		3
4	·79		·13		·06				·20	·60	·01	·80		4
5	·29		·19		·53			·06		·23		·29		5
6	1·27	·02	·13		·97	·04		·20	·23	·63		·03		6
7	1·28	·22	·23			·08			·01	·15		·24		7
8		·02		·53	·05	·09		·15	·11	·48		·63		8
9	·71	·06	·04	·54				·51	·22	·23	·24	·46		9
10	·33		·19	·07				1·13	·13	·27	·07	·13		10
11	·91		·20	·62				·41		·16	·08	·20		11
12	·05		·06	·95			·08	·20		·14		·22		12
13	·42		·05	·08	·16		·87			·42		·06		13
14	1·20		·48	·03	·06	·56				·50		·16		14
15	·51		·40	·08	1·58		·11	·18	·08	·17	·02	·04		15
16	1·13		·66		·54				·02	·07		·10		16
17	·21		·17	·18	·26		·35		·62	·09	·04	·51		17
18	·71		·23	·06	·29	·58		·19	·20	·07		·89		18
19		·04	·20	·11	·85	·42	·02	·05	·46	·72		·05		19
20	·01	·05	·04	·64	·59	·08	·01	·69	·25	·17	·03			20
21	·03		·07	·01	·14	·70		·85	·18	·40	·05			21
22	·05	·01	·06		·03	·60	·03	·21	·67	·21	·39			22
23			·09	·62			·16	·19		·61	·29	·01		23
24		·20		·71	·14	·08	·09		·42	·68	·01			24
25	·18	·04	·12	·22	·04		·42		·31	1·10	·11	·77		25
26	·20		·05	·64		·28	·39		1·02	·94	·02	·60		26
27				·24		·33	·26	·09	·11	·26	·03	·50		27
28				·06		·16	·48	·66	·08	·30		·72		28
29							·12	·45	·12	·11		·23		29
30	·50	✕					·04	·03	1·66	·79		·89		30
31		✕		✕		✕	·06	·02	✕		✕	·21		31
TOTAL	11·89	·66	4·~~5~~62	6·39	6·30	4·00	3·49	7·72	7·53	10·75	1·95	9·28	Year's Total 74·58	
*Days with ·01 in. or more.	22	9	24	19	17	13	16	22	24	28	16	27	237	
*Days with ·04 in. or more.	20	6	24	17	15	13	13	20	20	28	10	25	211	

40-9999

*See Instruction 2 (*f*) on other side.

M

† Spare column, no entries required.

(*Signed*) Miss R. A. S. Streatfeild

[P. T. O.

3610/5

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. ~~1104/28~~

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

Kept at Welbank. Troutbeck. Penrith

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

,, Ground ,, Sea Level 800 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·26	—	·35	Recorded for a week not daily	·01	—	—	·29	·01	·—	—	·07		1
2	Trace	—	·44		—	—	—	1·09	·39	·—	·36	·30		2
3	·85	—	·04		—	—	—	·07	·03	·25	·20	·17		3
4	·79	—	·13		·06	—	—	—	·20	·60	·01	·80		4
5	·29	—	·19		·53	—	—	·06	—	·23	Trace	·29		5
6	1·27	·02	·13		·97	·04	—	·20	·23	·63	—	·03		6
7	1·28	·22	·23		·—	·08	—	—	·01	·15	Trace	·24		7
8	·—	·02	Trace	·53	·05	·09	—	·15	·11	·48	·—	·63		8
9	·71	·06	·04	·54	—	—	—	·61	·22	·23	·24	·46		9
10	·33	—	·19	·07	—	—	—	1·13	·13	·27	·07	·13		10
11	·91	—	·20	·62	—	—	—	·41	—	·16	·08	·20		11
12	·05	—	·06	·95	—	—	·08	·20	—	·14	—	·22		12
13	·42	—	·05	·08	·16	—	·87	Trace	—	·42	—	·06		13
14	1·20	—	·48	·03	·06	·56	—	[illegible]	—	·50	—	·16		14
15	·51	—	·40	·08	1·58	—	·11	·18	·08	·17	·02	·04		15
16	1·13	—	·66	—	·54	—	Trace	[illegible]	·02	·07	Trace	·10		16
17	·21	—	·17	·18	·26	—	·35	·—	·62	·09	·04	·51		17
18	·71	—	·23	·06	·29	·58	—	·19	·20	·07	—	·89		18
19	·—	·04	·20	·11	·85	·42	·02	·05	·46	·72	Trace	·06		19
20	·01	·05	·04	·64	·59	·08	·01	·69	·25	·17	·03	—		20
21	·03	—	·07	·01	·14	·70	—	·86	·18	·40	·05	—		21
22	·05	·01	·06	Trace	·03	·60	·03	·21	·67	·21	·39	—		22
23	Trace	—	·09	·62	—	—	·16	·19	—	·61	·29	·01		23
24	—	·20	Trace	·71	·14	·08	·09	Trace	·42	·68	·01	—		24
25	·18	·04	·12	·22	·04	·—	·42	—	·31	1·10	·11	·77		25
26	·20	—	·05	·64	—	·28	·39	—	1·02	·94	·02	·60		26
27	—	—	—	·24	—	·33	·26	·09	·11	·26	·03	·50		27
28	—	—	—	·06	—	·16	·48	·66	·08	·30	—	·72		28
29	—		Trace	—	—	—	·12	·45	·12	·11	—	·23		29
30	·50	×	—	—	—	—	·04	·03	1·66	·79	—	·89		30
31	Trace	×	—	×	—	×	·06	·02	×	·—	×	·21		31
TOTAL	11·89	·66	4·62	6·39	6·30	4·00	3·49	7·72	7·53	10·75	1·95	9·28	Year's Total. 74·58	
* Days with .01 in. or more.	22	9	24		17	13	15	22	24	28	16	27	217	
* Days with .04 in. or more.	20	6	24		16	13	12	20	20	28	10	25	193	

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* See Instruction 2 (f) on other side.

M

† Spare column, no entries required.

(Signed) Ruby Q. S. Streatfeild

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 3610/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at Welbank Troutbeck Penrith
in the County of Cumberland
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft. in.
,, Ground ,, Sea Level 800 ft.

dup

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·92	·75	·06	·—	·—	·—	·22	·—	1·06	·08	·24	·57		1
2	·01	·11	·05	·—	·—	·05	Trace	·—	1·23	·28	·11	·04		2
3	·15	·87	·11	·11	·—	·31	·50	·—	·21	·—	·21	·27		3
4	·—	·16	·13	·01	·—	·31	·79	·—	·39	·27	·—	·27		4
5	·—	·94	·13	·—	·—	·29	·04	·—	·03	·16	·23	·23		5
6	·07	Trace	·—	·—	·—	·23	·—	·—	·—	·10	·22	Trace		6
7	·—	·—	·—	·37	·—	·49	·—	·—	·—	·92	·04	·29		7
8	·—	·02	·—	·39	·—	·99	·—	·02	·—	·83	·02	·33		8
9	·02	·02	·—	1·23	·—	·—	·—	·—	·—	1·16	·14	·—		9
10	·40	·54	·—	·50	·—	·14	·—	·—	·—	·21	·06	·—		10
11	·81	·40	·—	x	·—	·35	·—	·11	·—	·39	·22	·—		11
12	·—	·45	·—	—	·—	·11	·—	·—	·24	·03	·08	·—		12
13	·24	·25	·—	x ·19	·79	·03	·—	Trace	·35	·47	·16	·—		13
14	·—	·11	·—	·09	·—	·13	·—	·02	·15	·—	·35	·12		14
15	·—	1·84	·—	x	·29	·16	·—	·—	·71	·85	·24	·54		15
16	·—	1·30	·09	x	·41	·17	·25	·04	·68	·—	·30	·—		16
17	·—	·01	·—	x 2·08	·04	·10	·04	Trace	·17	·37	·49	·—		17
18	·—	·80	·—	—	·09	·02	·11	·07	·83	1·13	·06	Trace		18
19	·—	1·17	·—	x	·—	·09	·77	·—	·08	·45	·05	·—		19
20	·—	1·09	·—	x	·—	·03	·01	·—	·—	·01	·06	·—		20
21	·—	·04	·21	x	·—	·—	·—	·—	·65	·28	·02	·12		21
22	·—	·08	·41	✓	·—	·—	·—	·—	·06	·—	·—	·—		22
23	·26	·04	·26	x	·—	·59	·04	·13	·04	·85	·—	·—		23
24	·90	·41	·11	-	·—	·—	·—	·—	·47	·06	·—	·27		24
25	·35	·—	·01	-	·—	·01	·02	·02	·—	Trace	·61	·25		25
26	·—	·—	·—	-	·—	·45	·08	1·46	·15	·54	·12	·29		26
27	·—	·25	·—	-	·—	·03	·75	·02	·19	1·65	·89	·12		27
28	Trace	·04	·—	- ·84	·—	·—	·—	·04	·34	·84	·33	Trace		28
29	·—	x	·—	·—	·—	·—	·—	·49	·66	·75	·30	·32		29
30	·03	✕	Trace	·—	·—	·43	·—	·53	·61	1·10	1·37	·03		30
31	·48	✕	·03	✕	·—	✕	·—	·20	✕	·38	✕	·43		31
TOTAL	4·64	11·69	1·60	5·81	1·62	5·51	3·62	3·15	9·20	14·18	6·92	4·35	Year's Total 72·29	✓
* Days with .01 in. or more.	13	24	12	(17)	6	23	13	13	22	26	26	17	{211}	✓
* Days with .04 in. or more.	10	21	10	(15)	6	18	11	9	21	24	24	16	{184}	✓

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† Spare column, no entries required.

* See Instruction 2 (f) on other side.

M

(Signed) Ruby A. S. Steadfield

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3610/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at Troutbeck, Welbank

in the County of Cumberland

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

,, Ground ,, Sea Level .... ft.

April 11th to 27th daily readings not taken, Observer away from home.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·92	·75	·06				·22		1·06	·08	·24	·57		1
2	·01	·11	·05			·05			1·23	·28	·11	·04		2
3	·15	·87	·11	·11		·31	·50		·21		·21	·27		3
4		·16	·13	·01		·31	·79		·39	·27		·27		4
5		·94	·13			·29	·04		·03	·16	·23	·23		5
6	·07					·23				·10	·22			6
7				·37		·49				·92	·04	·29		7
8		·02		·39		·99		·02		·83	·02	·33		8
9	·02	·02		1·23						1·16	·14			9
10	·40	·54		·50		·14				·21	·06			10
11	·81	·40				·35		·11		·39	·22			11
12		·45				·11			·24	·03	·08			12
13	·24	·25		·19	·79	·03			·35	·47	·16			13
14		·11		·09		·13		·02	·15		·35	·12		14
15		1·84			·29	·16			·71	·85	·24	·54		15
16		1·30	·09		·41	·17	·25	·04	·68		·30			16
17		·01		2·08	·04	·10	·04		·17	·37	·49			17
18		·80			·09	·02	·11	·07	·83	1·13	·06			18
19		1·17				·09	·77		·08	·48	·05			19
20		1·09				·03	·01			·01	·06			20
21		·04	·21						·65	·28	·02	·12		21
22		·08	·41						·06					22
23	·26	·04	·26			·59	·04	·13	·04	·85				23
24	·90	·41	·11						·47	·05		·27		24
25	·35		·01			·01	·02	·02			·61	·11		25
26						·45	·08	1·46	·15	·54	·12	·29		26
27		·25				·03	·75	·02	·19	1·65	·89	·12		27
28		·04		·84				·04	·34	·84	·33			28
29								·49	·56	·75	·30	·32		29
30	·03	✕				·43		·53	·61	1·10	1·37	·03		30
31	·48	✕	·03	✕		✕		·20	✕	·38	✕	·43		31
TOTAL	4·64	11·69	1·60	5·81	1·62	5·51	3·62	3·15	9·20	14·18	6·92	4·35	Year's Total 72·29	
*Days with ·01 in. or more.	13	24	12	17	5	23	13	13	22	26	26	17	211	
*Days with .04 in. or more.	10	21	10	13 5	5	18	11	9	21	24	24	16 18	182 4	

40-9999

*See Instruction 2 (*f*) on other side.

† Spare column, no entries required.

(*Signed*) Miss R. A. S. Streatfield

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 36105

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1936.

Kept at Troutbeck, Wellbank
in the County of Cumberland

Diameter of Funnel of Gauge..........in.
Height of top of Gauge above Ground..........ft..........in.
,, Ground ,, Sea Level 800 ft.

Copy by B.R.O.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·22	·12	·04			·05	·35	·54	·15	–	·32	·22		1
2		·07				·03	·09	·19	·17	–	·15	·14		2
3						·41		·04	·30	–	·01	·31		3
4	·70		·31			·01	·14	·22	·70	–	·80	·81		4
5	·60	·02	·21			·03		·48	·61	–	·26	·19		5
6	·12		·11		·02	·01	·74	·11	·80	–	·12	–		6
7			·08						1·47	–	·76	·50		7
8	·46		·42						–	–	·21	–		8
9	1·65		·32			·08	·06	·01	·20	TR	·60	–		9
10	1·00		·02				·22	·03	·04	–	·99	–		10
11	·02					·07	·17	·08	·11	–	·40	·24		11
12						·02	·07	·02	·57	–	·27	·23		12
13					·06		·12	·02	–	·56	·19	2·41		13
14						·38			·42	·15	·38	·91		14
15	·03		·15		·02	·28	·08		–	·21	·59	1·11		15
16		·02	·10		·08	·55	·02		–	·48	·60	·03		16
17	·14	·37	·03		·01	·01	·31	·10	–	·92	·17	1·15		17
18		·50		1·05	·06		·30	·26	–	·63	TR	·05		18
19	·32	·34					·25	·10	–	·28	–	·24		19
20	·49	·30	·22	·01		·01	·17		–	·14	–	·57		20
21	·26	·32	·05	·05		·61		·01	–	·22	–	·46		21
22	·18	·80	·01			·51	·07		–	·02	–	–		22
23		·35	·19	·13			·87	·08	–	·18	–	–		23
24	·03			·24	·74		1·43		1·06	1·96	TR	–		24
25	·16			·15			·21		·38	·70	–	z		25
26	·24	·26	·20	·05					·11	·84	–	–		26
27	·71	·01	·06				·01		·01	·82	TR	–		27
28	·18	·22	·05	·01	·09		·09		–	TR	·04	–		28
29	·08	·17	·89		·40	·63			–	·51	·32	·03		29
30	·05	×	·11		·02	·06	·55	·02	–	·16	·21	·94		30
31	·03	×	·14	×	·03	×	·12	·02	×	–	×	·88		31
TOTAL	7·67	3·87	3·71	1·69	1·53	3·75	6·44	2·33	7·10	8·78	7·39	11·42	Year's Total. 65·68	✓
* Days with .01 in. or more.	22	15	21	13	11	18	23	18	16	17	20	20	214	✓
* Days with .04 in. or more.	18	12	18	9	6	11	21	11	15	16	19	18	174	✓

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† Spare column, no entries required.

(Signed) Miss K.A.S. Streatfeild [P.T.O.

* See Instruction 2 (f) on other side.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 3610/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1937.

Copy by B.R.O.

Kept at Troutbeck, Wellbank

in the County of Cumberland

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft..........in.

,, Ground ,, Sea Level ....ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ✓

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·06	–	·36	–	–	·02	·27	–	1·23	·19	–	·17		1
2	·32	·87	–	·19	–	·11	·12	–	·19	–	–	·04		2
3	·34	1·22	·16	·01	–	·67	·07	–	–	–	–	·01		3
4	1·45	·09	·08	·19	·25	·03	·05	–	·83	–	–	·57		4
5	1·27	·04	·03	·13	·05	·16	·14	·01	1·56	–	–	·11		5
6	·10	–	–	·09	·02	·18	–	·03	·34	–	–	–		6
7	·11	·21	–	·46	–	–	·13	–	·17	–	–	·25		7
8	·04	·35	·02	·10	–	·14	·23	–	·03	–	–	–		8
9	·03	·18	·03	·08	·10	·06	·42	·17	–	–	–	–		9
10	–	·40	–	·02	·15	–	·01	–	–	–	–	·51		10
11	·05	–	·50	–	–	–	–	–	–	–	–	·09		11
12	1·19	·29	·60	·08	·01	·05	·05	·18	·14	–	–	·33		12
13	–	·17	–	–	–	1·56	–	·48	·01	·08	–	·42		13
14	–	·18	·05	–	–	–	·35	·32	·07	·10	–	·47		14
15	·26	1·15	–	·12	–	–	·01	·07	·25	–	–	–		15
16	·27	·78	·86	·70	–	–	–	·32	·05	–	–	–		16
17	1·08	·10	·18	·17	–	–	–	·09	·85	–	–	–		17
18	–	·30	·24	–	–	·10	·03	·50	·02	–	·32	–		18
19	·06	·50	·12	·40	·09	·04	–	·08	·02	–	·47	–		19
20	·94	·16	–	·11	·64	·07	·03	–	·01	·03	·14	·03		20
21	·65	·13	·30	·11	·12	–	1·08	–	–	·23	·04	·05		21
22	·36	–	·09	·27	·98	·01	·60	–	–	–	·03	·65		22
23	·15	–	·04	–	·15	–	·50	–	·14	1·89	–	·07		23
24	·49	·08	·30	–	·02	–	·07	–	·29	·18	–	·27		24
25	·16	·72	·09	–	·03	–	–	·09	–	·43	·01	–		25
26	–	·42	·02	–	·27	–	–	–	–	·20	–	–		26
27	–	·72	–	·13	–	·01	·03	–	·08	·62	–	·01		27
28	–	–	–	–	–	·25	–	–	–	·05	–	–		28
29	·05	–	–	–	–	·07	–	–	–	·15	·06	·02		29
30	·23	✕	–	–	·02	·10	–	·78	·41	·30	·33	·02		30
31	·39	✕	–	✕	·03	✕	–	·69	✕	·07	✕	–		31
TOTAL	10·05	9·06	4·07	3·36	2·93	3·63	4·19	3·81	3 6·49	4·52	1·40	4·09	Year's Total 57·50	
* Days with .01 in. or more.	24	22	19	18	16	18	19	14	20	14	8	19	211	
* Days with .04 in. or more.	23	22	15	16	10	14	14	12	15	13	6	14	174	

40-9999.

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(*Signed*) .... [P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3610/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1050

REGISTER OF RAINFALL IN 1938

Copy by B.R.O.

Kept at Troutbeck Wellbank
in the County of Cumberland
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft. in.
,, Ground ,, Sea Level 800 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	–	·38	·11	·06		1·96	·06	–	·12	–	·26	·46		1
2	–	·25		·71		1·69	·04	–	·35	2·46	·71	·36		2
3	–	·10				·10	·45	–	·69	2·00	·62	TR		3
4	–	·16		·28		·12	·23	–	–	·73	·13	·92		4
5	·15	·06				·25	·27	–	·04	1·12	·10	·08		5
6	·35	·06		·10		·65	·05	·26	·12	1·20	·13	·08		6
7	·19	–					·81	·30	·04	·37	·36	·06		7
8	·10	·40				·03	·24	·40	–	1·03	·64	·14		8
9	·30	·70	·15		·06	·25	·19	–	–	·09	–	·28		9
10	·05	·05	·08			·19	·22	–	–	·39	TR	·30		10
11	·27	·15			·22	·01	·19	·35	·07	·33	·31	·34		11
12	·50	–			·18		·04	–	·05	1·68	3·54	·19		12
13	·03	–			·10		·45	·01	·34	·32	·34	·24		13
14	·94	–			·08		–	–	–	–	·01	·36		14
15	1·05	–	·92		·25		–	·79	TR	·57	–	·16		15
16	·92	·01	·24		·25 ·76		–	·65	·37	·83	·06	·18		16
17	–	–	·14				·11	·60	1·26	·99	·02	·01		17
18	·35	–	·30			·19	–	·49	·04	·49	·84	–		18
19	·05	–	1·20				–	·50	·05	–	·24	·03		19
20	1·04	–	1·15				–	·27	·02	–	·11	·02		20
21	–	–	·02		·06	·19	–	·45	·10	·02	·43	–		21
22	–	–		·03	·06		–	–	–	–	·49	–		22
23	·51	–			·42	·46	–	·02	·03	–	1·38	–		23
24	·65	·02	·34			·45	–	·04	·34	·20	·47	–		24
25	·09	·22	·15		·22	·01	1·13	–	–	·19	·21	·04		25
26	·26	·41	·37		·57	·82	·03	–	–	·99	·13	·03		26
27	·46	·15	·04		·26	·92	·42	·17	–	·03	·51	–		27
28	·86	·29	·14		·31	1·48	·03	–	–	·02	·17	·19		28
29	·24	X	·09		·23	·19	1·68	–	·01	·23	·78	·48		29
30	·29	✕	·06		·35	·12	·80	–	·18	·23	·89	·07		30
31	·80	✕	·05	✕		✕	·01	–	✕	·77	✕	·71		31
TOTAL	10·45	2·41	5·55	1·18	3·78	10·08	7·45	5·27	4·22	17·28	13·88	5·73	Year's Total 88·28	✓
* Days with .01 in. or more.	234	16	18	5	17	20	21	15	19	25	27	24	231	✓
* Days with .04 in. or more.	22 3	14	17	4	17	17	18	13	16	22	25	20	206	✓

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*) Ruby A. S. ~~Streatfield~~ Streatfield

P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 36 10/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at Troutbeck, Wellbank

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. in.

,, Ground ,, Sea Level 800 ft.

Copy by B.R.O.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in. ✓	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	.23	—	1.55	—	-	—	.16	.04	.04	tr	—	1.06		1
2	—	—	.69	.03	-	—	.68	.64	.62	.02	tr	.20		2
3	—	—	.08	.02	-	—	.01	.16	.36	—	.14	1.40		3
4	—	—	.43	.01	-	—	.28	-	.15	—	.02	.12		4
5	—	.57	.14	—	.12	—	.48	.01	-	.48	.76	tr		5
6	.30	.45	.20	—	-	—	.44	—	-	.06	.16	—		6
7	.83	.60	.90	—	-	—	.16	—	.05	tr	.15	.02		7
8	1.75	1.65	.53	.44	-	—	.27	.31	.09	.03	1.06	.47		8
9	.72	.61	—	.01	-	.03	.13	.53	.13	.56	.02	.38		9
10	.19	1.04	.02	—	-	.53	—	.37	1.03	.51	.05	.16		10
11	.06	.49	.84	—	-	.23	—	.05	-	35	.08	—		11
12	.16	.72	—	.20	-	.06	.01	.08	.13	.09	.02	—		12
13	.29	—	—	.51	.19	tr	.61	-	.14	.02	.50	—		13
14	1.12	TR	.04	33	.36	.54	.22	-	-	.17	1.46	—		14
15	1.13	.08	.05	.78	.10	.49	.31	-	-	—	.30	—		15
16	1.70	.02	.01	.10	.01	—	.46	-	-	—	.13	—		16
17	.40	.33	.01	.04	-	.23	—	-	-	—	.02	—		17
18	.09	.34	.12	—	-	.06	.07	-	-	tr	.75	—		18
19	.19	—	—	—	-	.01	.84	.02	-	—	—	—		19
20	.03	.04	.03	—	.10	.15	.20	.37	-	—	—	—		20
21	.15	.67	.31	.31	-	—	—	.15	.03	—	—	—		21
22	.43	.32	.28	.10	-	—	.07	-	tr	.14	.79	—		22
23	—	.72	.11	.35	-	.08	.03	-	—	.08	—	—		23
24	.03	.58	tr	.31	-	.03	—	-	-	—	.01	.05		24
25	.13	.08	tr	.18	-	—	—	.01	-	—	1.95	.02		25
26	.01	.21	.06	.05	08	—	—	.22	-	.56	.03	—		26
27	.02	1.19	.03	.03	-	.38	.15	tr	-	.11	.55	.09		27
28	—	.23	.09	.15	-	.99	1.15	.09	-	—	.44	—		28
29	—		.15	—	-	.35	.58	-	-	30	.36	—		29
30	—	×	—	—	-	.17	.64	-	-	.03	1.23	tr		30
31	—	×	—	×	-	×	.62	-	×	.01	×	—		31
TOTAL	9.96	9.94	6.67	3.95	.96	4.33	8.57	305	2.77	3.52	10.98	3.97	Year's Total 68.67	
* Days with .01 in. or more.	22	21	23	19	7	16	24	15	11	17	24	11	210	
* Days with .04 in. or more.	18	20	18	14	6	13	21	12	10	12	18	9	171	

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) ....

[P.T.O.

COPY FOR OFFICIAL USE

Section A for the entry of Daily Observations

Station No. 3610/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 19~~3~~40.

Kept at Troutbeck (Wellbank)

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

,, Ground ,, Sea Level 800 ft.

Jan. corrected for max.

BRITISH RAINFALL ORGANIZATION.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	–	–	–	.50	–	–	.05	–	–	tr	·21	·60		1
2	–	–	–	·09	–	–	·40	–	tr	–	1·15	·19		2
3	–	·09	–	18	–	–	·36	–	–	–	–	·08		3
4	–	·19	–	28	–	–	·13	–	·01	09	tr	72		4
5	–	–	–	–	·17	–	·55	·03	–	1·30	·16	1·58		5
6	·03	·09	–	10	–	–	·04	–	·01	·53	·34	·16		6
7	·03	·02	–	59	·07	–	–	·26	·57	·05	tr	tr		7
8	–	–	·20	–	–	–	·03	·42	·04	1·14	·25	·20		8
9	–	–	·79	tr	–	–	1·27	·76	·34	1·58	·63	·48		9
10	–	–	·10	–	–	–	1·13	·72	tr	37	·71	·18		10
11	–	tr	1·41 ✓	·13	–	–	1·18	–	·01	–	1·47	–		11
12	–	–	·80	–	–	–	tr	·03	97	–	·21	–		12
13	–	tr	32	tr	–	–	·22	·06	·47	–	·18	·02		13
14	–	–	15	·63	–	–	·18	·20	18	tr	·01	·44		14
15	–	–	·15	·04	·10	–	–	–	–	·08	·34	·64		15
16	–	–	·17	·01	–	–	·31	–	1·78	·19	·03	·56		16
17	–	–	–	–	–	–	1·32	·23	74	·18	·30	·16		17
18	·39	·01	·75	·22	–	–	·45	·47	·94	–	·01	·99		18
19	·09	·09	·98	·25	–	–	·31	–	·94	tr	·69	tr		19
20	–	tr	·48	·24	–	–	·01	·73	·04	14	·41	–		20
21	–	–	25	·07	–	·75	·02	·05	·07	·09	·09	–		21
22	–	·25	·02	–	·03	·32	tr	·09	·54	·01	–	–		22
23	·09	·38	·11	13	·08	·05	·11	–	·23	·01	·23	–		23
24	·39	–	tr	·04	–	·02	·15	–	–	tr	·01	·04		24
25	·01	–	–	–	·43	·07	·06	·01	–	–	·02	–		25
26	·37	·13	·11	–	·04	–	–	·53	02	–	·33	–		26
27	tr	·15	–	·02	·04	–	·10	–	–	–	·07	–		27
28	(·50)	·13	–	–	·17	–	–	·26	–	–	–	·47		28
29		–	·23	·01	–	·03	·09	–	–	·05	·03	·34		29
30	tr	✕	·17	tr	·04	–	–	–	–	·65	tr	·43		30
31	–	✕	·75	✕	·01	✕	–	·06	✕	·31	✕	·04		31
													Year's Total	
TOTAL	1·90	1·53	7·94	3·53	1·18	1·24	8·47	4·91	7·90	6·77	7·88	8·32	61·57	
* Days with .01 in. or more.	10	11	19	18	11	6	23	17	18	17	24	20	194	
* Days with .04 in. or more.	7	9	18	15	9	4	20	14	14	15	18	19	162	

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) Ruby A. S. Streatfeild

[P.T.O.

3610/6

LAZONBY RECTORY

1937

780703

3610/6-

FORM 1090. **B** Station.

** The following register o… this section and also the space for &c., is NOT required … values are given on th… …ating to this register should be sent :—

C. Bennett

…ectory Penrith

RAINFALL IN…

At LAZONBY … 9. A.M. In Summer 9. A.M

In the County of Cumb… Distance ¼ M. Direction from gauge N.E

Rain Gauge	Diameter of Funnel	5 in.
	Height of Top above Ground	2 ft. 6 in.
	Height of Ground above Sea Level	347. 2 ft.

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	—				
FEB.	—				
MAR.	—				
APRIL	—				
MAY	—				
JUNE	—				
JULY	—				
AUG.	—				
SEPT.	2.55				
OCT.	1.46				
NOV.	·29				
DEC.	1.33				
TOTAL	X				

Signature ....

* See Instruction 3 (*f*) below.

Nearest Parish Church at Lazonby Distance ¼ M. Direction from gauge N.E

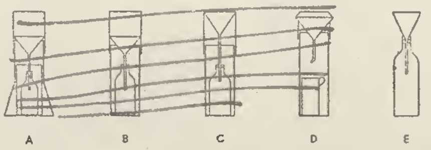
Nature of objects nearest to gauge	Rectory	Gauge is on edge of		
Height of objects	30 ft	Path on Terrace, Eden		
Distances ...	45 ft	Valley E. open to		
Directions from gauge ...	W	Pennines		

If gauge has been moved during the year state Gauge fixed in an old fashioned Pot. chimney

Date of move........ Distance........ Direction........

Indicate pattern of gauge in use by deleting those sketches or cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A ~~and B.~~)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

19.1.38

M.O. 7
3 JAN. 1938

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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Price 1d. Net
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Wt.1046/3030. 26,000. 4/36. W. H. & S. 668/91. S.O. Code No. 40-9999

N

3610/6-

FORM 1090.

B Monthly Summary.

, The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1937

At LAZONBY RECTORY

In the County of Cumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 2 *ft.* 6 *in.*
- *Height of Ground above Sea Level* 347 . 2 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	—				
FEB.	—				
MAR.	—				
APRIL	—				
MAY	—				
JUNE	—				
JULY	—				
AUG.	—				
SEPT.	2.55				
OCT.	1.46				
NOV.	·29				
DEC.	1.33				
TOTAL	X				

Signature ....

Wrote re the gauge exposure 19.1.38

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :— Reverend Edwin C. Bennett
Lazonby Rectory Penrith

Hour of observation by the clock—in Winter 9. A.M. in Summer 9. A.M.

Nearest Railway Station Lazonby Distance 1/4 M. Direction from gauge N. E

Nearest Parish Church at Lazonby Distance 1/4 M. Direction from gauge N. E

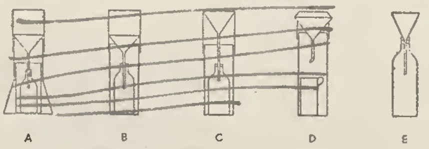
Nature of objects nearest to gauge	Rectory	Gauge is	on edge	of
Height of objects	30 ft	Path	on Terrace,	Eden
Distances ...	45 ft	Valley	E. open	to
Directions from gauge ...	W		Pennines	

If gauge has been moved during the year state Gauge fixed on an old fashioned Pot. Chimney

Date of move........................ Distance.............. Direction..............

Indicate pattern of gauge in use by deleting those sketches or cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A ~~and B~~.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

M.O. 7
3 JAN. 1938

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) The rain-gauge should be visited every morning without exception. When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction. An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) The total rainfall for the month is found by addition. The addition should always be done a second time as a check. The check is of special importance when the total has already been found in another copy of the register.

(f) The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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N

3610/7

—

CALDBECK

FRIAR ROW

1935-40

780703

Section **A** for the entry

AIR MINIST

INFALL ORGANIZATION.

Station No. 3610/7

FORM 1090.

REG

1935 (2 months Cumb)

Kept at Caldbeck

in the County of Cu

Diameter of Funnel of Gauge

Height of top of Gauge above G

,, Ground ,, S

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1												·18		1
2												·01		2
3												·07		3
4												·13		4
5												—		5
6												·01		6
7											·03	·15		7
8											·01	·08		8
9											·04	tr		9
10											·03	—		10
11											·23	—		11
12											·01	—		12
13											·17	—		13
14											·07	·28		14
15											·12	·30		15
16											·49	—		16
17											·34	tr		17
18											·02	·02		18
19											·03	—		19
20											·06	—		20
21											—	·09		21
22											—	—		22
23											—	—		23
24											—	·32		24
25											·42	·06		25
26											·10	·17		26
27											·57	·05		27
28											·08	·01		28
29											·67	·17		29
30		×									·63	·01		30
31		×		×		×			×		×	·37		31
TOTAL											4.12	2·48	Year's Total.	
* Days with .01 in. or more.											6	5		
* Days with .04 in. or more											14	14		

40-9999 X Dr MABEL BARKER X N

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(*Signed*) M M Barker

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3610/7

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935. (2 months Cumb)

Kept at Caldbeck

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft ... in.

,, Ground ,, Sea Level 520 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

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Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1												·18		1
2												·01		2
3												·07		3
4												·13		4
5												—		5
6												·01		6
7											·03	·15		7
8											·01	·08		8
9											·04	tr		9
10											·03	—		10
11											·23	—		11
12											·01	—		12
13											·17	—		13
14											·07	·28		14
15											·12	·30		15
16											·49	—		16
17											·34	tr		17
18											·02	·02		18
19											·03	—		19
20											·06	—		20
21											—	·09		21
22											—	—		22
23											—	—		23
24											—	·32		24
25											·42	·06		25
26											·10	·17		26
27											·57	·05		27
28											·08	·01		28
29											·67	·17		29
30		×									·63	·01		30
31		×		×		×			×		×	·37		31
TOTAL											4·12	2·48	Year's Total.	
* Days with .01 in. or more.											6	5		
* Days with .04 in. or more.											14	14		

40-9999 X Dr MABEL BARKER X N

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(*Signed*) M M Barker

[P.T.O.

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Section **A** for the entry of Daily Observations. Station No. 3610/7

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

Cumberland

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at Caldbeck, Friar Row

in the County of Cumberland

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

,, Ground ,, Sea Level .... ft.

Gauge fixed on Nov. 6th

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1												·18		1
2												·01		2
3												·07		3
4												·13		4
5												-		5
6												·01		6
7											·03	·15		7
8											·01	·08		8
9											·04	Tr.		9
10											·03	-		10
11											·23	-		11
12											·01	-		12
13											·17	-		13
14											·07	·28		14
15											·12	·30		15
16											·49	-		16
17											·34	Tr		17
18											·02	·02		18
19											·03	-		19
20											·06	-		20
21												·09		21
22												-		22
23												-		23
24												·32		24
25											·42	·06		25
26											·10	·17		26
27											·57	·05		27
28											·08	·01		28
29											·67	·17		29
30		×									·63	·01		30
31		×		×		×			×		×	·37		31
TOTAL												2·48	Year's Total	
*Days with ·01 in. or more.												19		
*Days with ·04 in. or more.												14		

† Spare column, no entries required.

(Signed) Dr. Mabel Barker

40-9999

*See Instruction 2 (f) on other side.

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3610/7

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1000.

REGISTER OF RAINFALL IN 1936.

Kept at Caldbeck (Friar Row)

in the County of Cumberland

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft..........in.

,, Ground ,, Sea Level ....ft.

Copy by B.R.O

imp. 1935.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

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Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·08	·20	·01	tr	–	–	·26	–	·17	–	·18	·06		1
2	·02	·04	–	–	–	·07	·01	·43	·14	–	·12	·09		2
3	·01	–	–	–	–	·23	tr	·14	·38	–	·03	·14		3
4	·37	–	·16	–	–	tr	~~·01~~ ·10	–	·52	–	·41	~~·75~~ ·76		4
5	·31	·02	·09	–	–	·04	–	·44	·26	–	·22	·34		5
6	·05	–	·07	·01	tr	·02	·60	·08	·51	–	·11	–		6
7	tr	–	·02	–	–	–	tr	–	·57	·	·63	–		7
8	·18	–	·26	–	–	–	–	–	-	–	·25	tr		8
9	1·25	–	·28	–	–	·05	·12	–	·33	·04	·09	tr		9
10	·55	–	tr	–	–	–	·26	–	·02	TR	·50	–		10
11	tr	–	–	–	–	·10	·08	–	·04	–	·27	·34		11
12	–	–	–	}·39	tr	·07	·05	–	·27	–	·09	·26		12
13	–	–	–	}	·06	–	·12	·31	·01	·43	·13	2·43		13
14	–	–	–	·01	–	·28	tr	–	·62	·02	·23	·64		14
15	·03	–	tr	·09	·02	·37	·04	–	tr.	·04	·37	·72		15
16	–	–	·05	·02	·04	·15	·02	–	-	·53	·73	·01		16
17	·17	·49	·07	–	·02	–	·22	–	-	·70	·18	·44		17
18	–	·45	–	·17	·08	–	·29	–	-	·58	tr	tr		18
19	·53	·21	tr	–	–	–	·17	·18	·	·19	–	·11		19
20	)	·35	·17	–	–	–	·04	–	·	·04	–	·06		20
21	·39)	·07	·05	·02	–	·24	–	–	-	·09	–	·12		21
22	·08	·78	·02	–	tr	·46	·05	·03	·	·05	–	tr		22
23	–	·35	·04	·17	·01	–	·03	–	·	·29	–	–		23
24	·02	·01	–	·19	1·04	–	·18	–	1·42	–	tr	–		24
25	·14	·01	–	·05	–	–	·27	–	tr.	1·33	–	·01		25
26	·25	·22	·19	·04	–	–	–	–	·22	·50	–	–		26
27	·27	·07	·07	–	–	–	·02	–	tr.	·8	tr	–		27
28	·03	·20	·06	tr	·03	tr	–	–	·	–	·06	–		28
29	·04	·04	·47	–	·27	·70	·05	–	·	·49	·11	·01		29
30	·03		·16	–	·01	·08	–	–	·	·12	·24	·06		30
31	·05		·11		·13		–	–		TR		·35		31
TOTAL	4·85	3·36	2·17	1·16	1·71	2·68	~~2·87~~ 2·98	·61	5·48	6·24	4·95	6·95	Year's Total 44·84	
* Days with .01 in. or more.	~~6~~ 23	~~4~~ 16	19	~~4~~ 12	~~5~~ 11	14	~~4~~ 21	~~7~~	15	17	20	19	194	
* Days with .04 in. or more.	~~4~~ 17	12	13	7	6	11	~~7~~ 16	6	13	16	19	16	152	

40-9999.

† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(*Signed*) Dr Mabel Barker

P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3610/7

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1936.

Kept at Caldbeck, Friar Row

in the County of Cumberland

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

,, Ground ,, Sea Level .... ft.

imp 1935

Copy by B.R.O

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·08	·20	·01				·26							1
2	·02	·04				·01	·01	·43						2
3	·01					·23		·14						3
4	·37		·16				·01							4
5	·31	·02	·09			·04		·44						5
6	·05		·01	01		·02	·60	·08						6
7			·02											7
8	·18		·26											8
9	1·25		·28			·05	·12							9
10	·55						·26							10
11						·10	·08							11
12						·01	·05							12
13				·39	·06		·12	·31						13
14				·01		·28								14
15	·03			·09	·02	·37	·04							15
16			·05	·02	·04	·15	·02							16
17	·17	·40	·01		·02		·22							17
18		·45		17	·08		·29							18
19	·53	·21					·17	18						19
20		·35	·17				·04							20
21	·39	·07	·05	·02		·24								21
22	·08	·78	·02			·40	·05	·03						22
23		·35	·04	·17	·01		·03							23
24	·02	·01		·19	1·04		·18							24
25	·14	·01		·05			·27							25
26	·25	·22	·19	·04										26
27	·27	·01	·01				·02							27
28	·03	·20	·06		·03									28
29	·04	·04	·47		·27	·70	·05							29
30	·03	X	·16		·01	·08								30
31	·05	X	·11	X	·13	X			X		X			31
TOTAL	4·85	3·36	2·17	1·16	1·71	2·68	2.89 2·98	1·61					Year's Total.	
* Days with .01 in. or more.	23	16	19	12	11	14	21	7						
* Days with .04 in. or more.	17	12	13	7	6	11	16	6						

40-9999

† Spare column, no entries required.

(Signed) Dr Mabel Barker [P.T.O.

* See Instruction 2 (f) on other side.

COPY FOR OFFICIAL USE Cumb/1

Section A for the entry of Daily Observations Station No. 3610/7

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1936

cumb 1935

Kept at Friar Row Caldbeck

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground ft. 12 in.

,, Ground ,, Sea Level 520 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·08	·20	·01	tr	—	—	·26	—	·17	—	·18	·06		1
2	·02	·04	—	—	—	·01	·01	·43	·14	—	·12	·09		2
3	·01	—	—	—	—	·23	tr	·14	·38	—	·03	·14		3
4	·37	—	·16	—	—	tr	·10	—	·52	—	·41	·76		4
5	·31	·02	·09	—	—	·04	—	·44	·26	—	·22	·34		5
6	·05	—	·01	·01	tr	·02	·60	·08	·57	—	·11	—		6
7	tr	—	·02	—	—	—	tr	—	·57	—	·63	—		7
8	·18	—	·26	—	—	—	—	—	—	—	·25	tr		8
9	1·25	—	·28	—	—	·05	·12	—	·33	·04	·09	tr		9
10	·55	—	tr	—	—	—	·26	—	·02	tr	·50	—		10
11	tr	—	—	—	—	·10	·08	—	·04	—	·27	·34		11
12	—	—	—	—	tr	·01	·05	—	·27	—	·09	·26		12
13	—	—	—	·39	·06	—	·12	·31	·01	·43	·13	2·43		13
14	—	—	—	·01	—	·28	tr	—	·62	·02	·23	·64		14
15	·03	—	tr	·09	·02	·37	·04	—	tr	·04	·37	·72		15
16	—	—	·05	·02	·04	·15	·02	—	—	·53	·73	·01		16
17	·17	·40	·01	—	·02	—	·22	—	—	·70	·18	·44		17
18	—	·45	—	·17	·08	—	·29	—	—	·58	tr	tr		18
19	·53	·21	tr	—	—	—	·17	·18	—	·19	—	·11		19
20	x	·35	·17	—	—	—	·04	—	—	·04	—	·06		20
21	·39	·07	·05	·02	—	·24	—	—	—	·09	—	·12		21
22	·08	·78	·02	—	tr	·40	·05	·03	—	·05	—	tr		22
23	—	·35	·04	·17	·01	—	·03	—	—	·29	—	—		23
24	·02	·01	—	·19	1·04	—	·18	—	1·42	—	tr	—		24
25	·14	·01	—	·05	—	—	·27	—	tr	1·33	—	·01		25
26	·25	·22	·19	·04	—	—	—	—	·22	·50	—	—		26
27	·27	·01	·01	—	—	—	·02	—	tr	·80	tr	—		27
28	·03	·20	·06	tr	·03	tr	—	—	—	—	·06	—		28
29	·04	·04	·47	—	·27	·70	·05	—	—	·49	·11	·01		29
30	·03	✕	·16	—	·01	·08	—	—	—	·12	·24	·06		30
31	·05	✕	·11	✕	·13	✕	—	—	✕	tr	✕	·35		31
TOTAL	4·85	3·36	2·17	1·16	1·71	2·68	2·98	1·61	5·48	6·24	4·95	6·95	Year's Total 44·14	
* Days with .01 in. or more.	23	16	19	11	11	14	21	7	15	17	20	19	193	
* Days with .04 in. or more.	16	12	13	7	6	11	17	6	13	16	19	16	152	

† Spare column, no entries required.

* See Instruction 3 (f) on other side. 0 (Signed) .... [P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3610/7

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1937.

Kept at Caldbeck, Friar Row

in the County of Cumberland

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft.........in.

,, Ground ,, Sea Level ....ft.

Copy by B.R.O

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ✓

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	06	–	·11	–	–	·02	·19	–	·68	·11	–	·08		1
2	·24	·67	·21	·20	–	·10	·05	–	·46	–	–	·03		2
3	·05	·45	·03	·01	·02	·32	·04	–	–	–	–	·02		3
4	·73	–	·05	·16	·11	·02	·11	–	·71	–	–	·44		4
5	·82	·01	–	·12	·01	·08	·17	·09	·56	–	–	·11		5
6	·26	–	–	·06	·03	·08	·02	·06	·05	–	–			6
7	–	·25	·01	·23	–	–	·07	–	·12	–	·01	·17		7
8	–	·34	·01	·12	–	–	·19	·01	·01	–	–			8
9	–	·04	–	·03	·05	·03	·16	·15	–	–	–			9
10	–	·23	–	–	·07	·01	·02	–	–	–	–	·40		10
11	·04	–	·29	–	–	–		·02	–	–	–	·06		11
12	·66	·12	·47	·04	–	·06	·07	·06	·09	–	–	·42		12
13	–	·13	–	–	–	·23		·71	·01	·02	–	+		13
14	–	·13	·11	–	–	–	·24	·16	·17	·05	–	(·42)		14
15	·23	·55	–	·15	–	–		·06	·34	–	–	·01		15
16	·08	·44	·66	·57	–	–		·25	·02	–	–			16
17	·69	·04	·03	·14	–	–		·04	·56	–	–			17
18	·01	·22	·10	–	–	·08	·01	·27	–	–	·34			18
19	·08	·32	·04	·25	·06	·10	·01	·06	·01	–	·37			19
20	80	·12	·03	·04	·71	·07	·07	–	–	·03	–			20
21	·32	·07	·33	·13	·09	–	·54	–	–	·10	·20	·03		21
22	·25	–	·06	·05	·53	–	·32	–	–	·01	·01	·30		22
23	·34	–	·07	·01	·05	–	·29	–	·07	1·31	–	·06		23
24	·24	·04	·13	–	·04	–	·06	–	·20	·17	·01	·12		24
25	·07	·57	·07	–	·04	–		·11	–	·37	·01	·01		25
26	–	·25	–	–	·22	–		–	–	·27	–			26
27	–	1·08	–	·13	–	–	·02	–	·07	·48	–	·02		27
28	–	–	–	–	–	·16		–	–	·05	–	·02		28
29	·01	–	–	–	–	·02		–	–	·10	·04	·04		29
30	·29		–	–	·04	·05		·11	·10	·19	·25	·01		30
31	·28		–		·04			·43		·07				31
TOTAL	6·55	6·07	2·81	2·44	2·11	1·43	2·65	2·59	4·23	3·33	1·24	2·77	Year's Total 38·22	✓
* Days with .01 in. or more.	22	21	19	18	16	16	20	16	18	15	9	20	211	✓
* Days with .04 in. or more.	20	20	14	15	13	11	15	14	14	12	5	12	165	✓

40-9999.

† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(*Signed*) .... [P.T.O.

COPY FOR OFFICIAL USE

Section A for the entry of Daily Observations

Station No. 3610/7

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 10

REGISTER OF RAINFALL IN 1938

Kept at Caldbeck Friar Row

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. in.

" Ground " Sea Level 520 ft.

Entries in red ink adopted from annual return. LCB 7/7/39

Copy by B.R.O.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	–	·06	·07	·02		·33	·01	–	·03	TR	·17	·33		1
2	–	·09		·50		1·90	tr	–	·43	1·08	·40	·13		2
3	·01	·05				·35	·34	–	·12	1·41	·37	tr		3
4	–	·01		·11		·05	·07	–	–	·68	·06	·84		4
5	·02	·13				·19	·19	–	·04	·61	·01	·02		5
6	·36	–	·01	·03		·13	·04	·15	·09	·56	·09	·03		6
7	·03	–					·60	·28	·04	·22	·43	·03		7
8	·06	·25					·32	·07	–	·82	·78	·13		8
9	·21	·35	·01		·07	·13	·07	–	–	·16	TR	·45		9
10	–	·03				·03	·38	–	TR	·15	TR	·21		10
11	·14	·04			·10	·01	·06	·29	·03	·30	·12	·26		11
12	·24	–			·03		tr	·06	TR	1·22	2·34	·15		12
13	·07	–			·01		·41	–	·10	·03	·17	·11		13
14	1·03	–			·08		tr	–	TR	·01	·02	·08		14
15	·30	·02	·47		·18		·01	·12	TR	·53	TR	·43		15
16	·30	·03	·07		·23		–	1·00	·16	·52	TR	tr		16
17	–	–	·07		·08		·07	·48	·06	·64	·02	–		17
18	·10	–	·06			·17	tr	·27	·05	·56	·67	tr ·05		18
19	·02	–	·60				tr	·73	·02	·01	·13	{·01}		19
20	·48	–	·79	·01			–	·16	·02	–	·08	{ }		20
21	–	–	·01	·02	·03	·09	–	·33	·03	–	·55	tr		21
22	–	–			·02		–	tr	–	–	·75	·02		22
23	·08	–			·38	·33	–	tr	·02	–	·64	–		23
24	·26	·01	·21			·36	–	·03	·31	·17	·24	–		24
25	·05	·10	·75		·25		·95	–	TR	·18	·42	·03		25
26	·06	·21	·20	·01	·20	·6~~4~~1	tr	–	–	·62	·03	·02		26
27	·32	·11			·28	·64	·37	·18	TR	·07	·25	tr		27
28	·55	·12	·07		·43	1·02	·04	tr	–	·02	·23	·14		28
29	·12	X	·03	·02	·30	·04	·79	–	·02	·12	·56	·29		29
30	·24	✕	·02			·01	·12	–	·11	·07	·75	·01		30
31	·54	✕		✕		✕	tr	–	✕	·43	✕	·87		31
TOTAL	5·59	1·61	2·84	·72	2·67	6·39	~~4·84~~ 4·91	4·15	1·68	11·19	10·28	4·64	Year's Total ~~56·60~~	56·67
* Days with .01 in. or more.	24	16	16	8	16	18	18	14	18	26	26	23	223	
* Days with .04 in. or more.	20	11	11	~~8~~ 2	12	15	16	13	11	23	22	15	171	

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(Signed) Mabel M. Baker.

P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3610/7

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at Caldbeck Friar Row

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. in.

,, Ground ,, Sea Level 520 ft.

Copy by B.R.O.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·08	–	·48	–	–	–	·06	·09	·04	·02	–	·53		1
2	–	–	·25	·03	–	–	·20	·58	·51	–	·01	·17		2
3	–	–	·06	·04	–	–	·01	·02	·08	·01	·09	·76		3
4	TR	TR	·36	TR	–	–	·21	–	–	·01	·01	·18		4
5	–	·11	·11	–	·05	–	·35	tr	–	·37	·75	–		5
6	·22	·23	·12	–	·08	–	·18	–	–	·03	·32	–		6
7	·87	·30	·48	–	–	–	·05	–	·08	tr	·14	·02		7
8	1·95	·86	·23	26	–	–	·13	·20	·07	tr	·43	·41		8
9	·49	·36	tr	·01	–	·02	·14	·61	·13	·31	tr	·20		9
10	·20	·01	·03	–	–	·43	tr	·21	·81	·30	·08	·05		10
11	·02	·77	·29	–	tr	·13	–	·07	tr	·22	·24	–		11
12	·03	·14	tr	TR	–	tr	·03	tr	·11	·17	tr	–		12
13	·33	TR	·01	·18	·15	·01	·58	–	·08	·04	·25	–		13
14	·78	TR	·03	·17	·28	·38	·21	–	tr	·06	·79	–		14
15	·61	·05	·02	·51	·01	·49	tr	–	–	tr	18	–		15
16	·60	·02	·01	·09	·02	–	·22	–	–	–	·17	–		16
17	·22	·21	·11	·03	tr	·10	tr	–	–	–	·02	–		17
18	·12	·16	–	–	tr	·04	·10	–	–	–	·63	–		18
19	·23	TR	tr	–	–	·02	·28	·01	–	–	tr	–		19
20	·01	–	·10	–	·04	·11	·52	·04	–	–	–	–		20
21	·15	·38	·11	20	–	–	·01	·13	·02	–	–	–		21
22	·12	·35	·04	·07	–	–	·02	tr	tr	08	·48	tr		22
23	·15	·45	·06	·19	–	·05	·05	–	–	·04	·01	–		23
24	·04	·34	·01	·18	–	·06	–	tr	–	–	·04	·02		24
25	·16	·06	tr	·16	–	tr	–	·02	–	–	1·17	·02		25
26	–	·02	·08	·01	–	–	–	·45	–	·25	·01	–		26
27	·01	·42	·09	·02	–	·26	·02	·36	–	·03	17	·06		27
28	–	·07	·08	–	–	·50	·39	·07	–	tr	·47	–		28
29	–		·09	·02	–	·24	·37	tr	–	·24	·21	–		29
30	–	✕	–	–	–	·08	·16	–	–	·03	1·05	·01		30
31	–	✕	–	✕	–	✕	·29	–	✕	tr	✕	–		31
TOTAL	7·39	5·31	3·25	2·17	·63	2·92	4·58	2·86	1·93	2·21	7·72	2·43	Year's Total 43.40	✓
* Days with .01 in. or more.	22	20	24	17	7	16	24	14	10	~~8~~ 17	26	12	207	✓
* Days with .04 in. or more.	18	17	18	11	5	13	19	11	9	11	19	8	159	✓

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) .... [P.T.O.

COPY FOR OFFICIAL USE

Section A for the entry of Daily Observations **Station No.** 3610/7

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1940

Kept at Caldbeck (Friar Row)

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

" Ground " Sea Level 520 ft.

BRITISH RAINFALL ORGANIZATION.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	-	-	-	25	-	-	·02	-	-	tr	·10	·48		1
2	-	-	-	·27	-	-	·28	-	·04	-	·47	·13		2
3	-	·15	-	·04	-	-	·01	-	-	·01	·01	·10		3
4	-	·21	-	·06	-	-	·17	-	·06	·08	-	tr		4
5	-	tr	-	tr	·23	-	·26	·01	-	·80	·10	1·00		5
6	·05	·07	-	·03	-	-	·02	tr	-	·37	·34	-		6
7	·03	·01	-	28	·02	-	·01	·26	·30	·05	·14	-		7
8	-	-	·15	-	-	-	·55	·27	·17	·82	·22	·15		8
9	-	-	·71	tr	-	-	·90	·65	·25	1·01	·36	·24		9
10	-	-	·08	-	-	-	1·16	·40	-	·24	·24	-		10
11	-	·01	1·16	·03	-	-	tr	-	·02	-	1·20	-		11
12	-	tr	1·00	-	-	-	·18	·03	·64	tr	·13	tr		12
13	-	·01	·18	-	-	-	tr	·06	·14	-	-	·10		13
14	-	-	·24	·22	-	-	·19	·19	·08	-	·18	·20		14
15	·02	-	·07	·01	·03	·01	tr	tr	-	·08	·22	·07		15
16	·02	-	·02	-	-	-	·25	-	1·53	·43	-	·19		16
17	-	-	·13	-	-	-	1·12	·09	·70	·04	·15	-		17
18	·10	·02	·24	·17	-	-	·17	·38	·56	-	tr	·10		18
19	·13	·06	·44	·07	-	-	·09	tr	·65	tr	·45	·50		19
20	-	-	·25	·22	-	-	·08	·46	·09	·10	tr	·20		20
21	-	-	·24	·08	-	·59	-	·03	·03	·05	·05	·02		21
22	-	·03	·01	-	·03	·58	·06	-	·36	tr	·15	-		22
23	-	·30	·06	17	·10	-	·20	-	·06	·01	-	-		23
24	·34	·02	-	·03	-	tr	tr	tr	·01	·01	·04	·05		24
25	·03	-	-	-	·36	·01	-	·03	-	-	·01	tr		25
1·70 26	·61	·05	·03	-	·04	-	-	·48	·01	-	·26	-		26
27	·60	·02	-	tr	-	-	·03	-	-	tr	-	-		27
28	·40	·04	-	-	·24	-	-	·07	-	-	-	·20		28
29	·04	-	·24	·02	-	·01	·06	-	-	·02	tr	·39		29
30	·02	×	tr	-	·01	-	-	-	-	·49	-	·44		30
31	tr	×	·48	×	-	×	-	-	×	·03	×	·03		31
TOTAL	2·39	1·00	5·73	1·95	1·06	1·20	5·81	3·41	5·70	4·64	4·82	4·59	Year's Total 42·30	✓
* Days with .01 in. or more.	13	14	19	16	9	5	21	15	19	18	20	19	188	✓
* Days with .04 in. or more.	8	7	16	12	5	2	16	11	15	13	18	17	140	✓

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) Mabel U. Barker

P.T.O.

3611.

3611

Section A for the entry of Daily Obse

AIR MINISTRY.—METEO

FOR OFFICIAL USE.

RAINFALL ORGANIZATION.

FORM 1000.

REGISTER C

1931.

230

CUMBERLAND.
ASPATRIA
MEALSGATE
1931.

780703

mm

Kept at Aspatria, Mealsg

in the County of Cumberland

Diameter of Funnel of Gauge..........in.

Height of top of Gauge above Ground..........ft.

,, Ground ,, Sea Level 487 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1													1
2									·49				2
3											1·59		3
4													4
5													5
6													6
7													7
8							·86						8
9										1·04			9
10													10
11		·57											11
12													12
13			·59										13
14						2·22							14
15													15
16								1·22					16
17					·58								17
18													18
19													19
20													20
21													21
22													22
23	·35												23
24													24
25				·31									25
26													26
27													27
28													28
29													29
30		✕											30
31		✕		✕		✕			✕		✕		31
TOTAL	3·41	3·09	0·81	1·74	2·20	7·20	6·41	3·98	1·93	4·24	6·27	3·98	YEAR'S TOTAL 45·26
*Days with ·01 in. or more.	22	22	9	20	16	24	18	17	13	18	23	19	221
*Days with ·04 in. or more.	18	16	3	13	11	17	16	11	10	14	17	13	159
40-9999	86·6	78·4	20·5	44·2	55·8	182·8	162·9	101·1	49·1	107·6	159·2	101·0	1149·2

(Signed)..........

P.T.O.

*See Instruction 2 (*f*) on other side.

3611

Section | **A** | **for the entry of Daily Observations.** FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 10[illegible].

REGISTER OF RAINFALL IN 1931.

230

Kept at Aspatria, Mealsgate

in the County of Cumberland

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

,, Ground ,, Sea Level 487 ft.

mm

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1													1
2									·49				2
3											1·59		3
4													4
5													5
6													6
7													7
8							·86						8
9										1·04			9
10													10
11		·57											11
12													12
13			·59										13
14						2·22							14
15													15
16								1·22					16
17					·58								17
18													18
19													19
20													20
21													21
22													22
23	·35												23
24													24
25				·31									25
26													26
27													27
28													28
29													29
30		×											30
31		×		×		×			×		×		31
TOTAL	3·41	3·09	0·81	1·74	2·20	7·20	6·41	3·98	1·93	4·24	6·27	3·98	YEAR'S TOTAL 45·26
*Days with ·01 in. or more.	22	22	9	20	16	24	18	17	13	18	23	19	221
*Days with ·04 in. or more.	18	16	3	13	11	17	16	11	10	14	17	13	159
40-9999	86·6	78·4	20·5	44·2	55·8	182·8	162·9	101·1	49·1	107·6	159·2	101·0	1149·2

(Signed) .... P.T.O.

*See Instruction 2 (*f*) on other side.

FORM 1090. **B** Monthly Summary

3612

CUMBERLAND.

ALLONBY.

1931 — 40

780703

of Station.

3612

*** The following register of monthly totals &c., is NOT required if daily or weekly values are given on the other side.

in this section and also the space for

relating to this register should be sent:—

P.

ALLONBY MARYPORT CUMB. O.

RAINFALL IN 1931

At ALLONBY

In the County of CUMBERLAND

Rain Gauge

Diameter of Funnel 5 in.

Height of Top above Ground 1 *ft.* *in.*

Height of Ground above Sea Level 25 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	2·67				
FEB.	1·93				
MAR.	·95				
APRIL	1·24				
MAY	1·96				
JUNE	5·95				
JULY	4·35				
AUG.	3·19				
SEPT.	1·65				
OCT.	2·80				
NOV.	5·24				
DEC.	3·29				
Total	35·22.				

Signature Wm H. Williamson

*See Instruction 2 (*f*) below.

Hour of observation by the clock—in Winter 9 am in Summer 9 am.

Nearest Railway Station BULLGILL L,M.S. Distance 3½ mile Direction from gauge SSE

Nearest Parish Church at ALLONBY Distance ½ Direction from gauge S

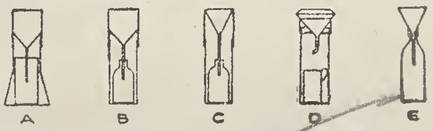
Nature of objects nearest to gauge	UNCHANGED			
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move Distance Direction

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

R. WIGHAM ESQ HIGH LORTON COCKERMOUTH

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

The feature of this year has been not the amount of rain but the way it has fallen Commencing with a violent thunderstorm on June 14 the land remained at saturation point until the latter end of Aug. Sep. was not so bad but on Oct 9 we had another deluge Nov was quite wet & on Dec 23 we had it wet practically for 24 hrs on end resulting in ano. flood.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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3612

FORM 1090. **B** Monthly Summary.

, The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1931

At ALLONBY

In the County of CUMBERLAND

Rain Gauge

Diameter of Funnel 5 in.

Height of Top above Ground 1 *ft.* ___ *in.*

Height of Ground above Sea Level 25 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	2·67				
FEB.	1·93				
MAR.	·95				
APRIL	1·24				
MAY	1·96				
JUNE	5·95				
JULY	4·35				
AUG.	3·19				
SEPT.	1·65				
OCT.	2·80				
NOV.	5·24				
DEC.	3·29				
Total	35·22.				

Signature Wm H. Williamson

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

W. H. WILLIAMSON J.P.
DICKINSON PLACE ALLONBY MARYPORT CUMB.

Hour of observation by the clock—in Winter 9 am in Summer 9 am.

Nearest Railway Station BULLGILL L.M.S. Distance 3½ mile Direction from gauge SSE

Nearest Parish Church at ALLONBY Distance ½ Direction from gauge S.

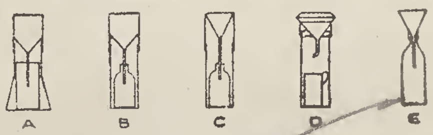
Nature of objects nearest to gauge	UNCHANGED			
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move ___ Distance ___ Direction ___

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

R. WIGHAM ESQ HIGH LORTON COCKERMOUTH

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

The feature of this year has been not the amount of rain but the way it has fallen Commencing with a violent thunderstorm on June 14 the land remained at saturation point until the latter end of Aug. Sep. was not so bad but on Oct 9 we had another deluge Nov was quite wet & on Dec 23 we had it wette practically for 24 hrs on end resulting in an. flood.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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3612

FORM 1090.

B Monthly Summary.

⁎ The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1932

At ALLONBY

In the County of CUMBERLAND.

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* *in.*
Height of Ground above Sea Level 425 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	3·43				
FEB.	·05				
MAR.	3·18				
APRIL	2·07				
MAY	2·48				
JUNE	·85				
JULY	3·40				
AUG.	1·77				
SEPT.	4·28				
OCT.	4·30				
NOV.	2·16				
DEC.	4·06				
Total	32·03				

Signature Wm. H. Williamson

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—
W.H. WILLIAMSON DICKINSON PLACE ALLONBY
MARYPORT CUMB.

Hour of observation by the clock—in Winter 9 in Summer 9

Nearest Railway Station BULLGILL LMS Distance 3¼m. Direction from gauge SE

Nearest Parish Church at ALLONBY Distance ¼m. Direction from gauge S

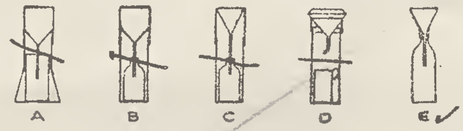
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state— no

Date of move Distance Direction

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in British Rainfall, please give the observer's name and address:—
R. WIGHAM ESQ HIGH LORTON nr. COCKERMOUTH

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Dec as recorded 13th ·74 18th 2·41 Jan 1st ·91
16th 17th 18th very wet caused highest flood in living memory on 18th a.m.

M.O. 7
3 JAN 1933

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* 0·1 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17/18 }·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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3612

FORM 1090.

B Monthly Summary.

. The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1933

At Dickinson Place Allonby

In the County of Cumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 11 *in.*
- *Height of Ground above Sea Level* 25 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	2·89				
FEB.	2·49				
MAR.	1·19				
APRIL	1·47				
MAY	2·09				
JUNE	1·87				
JULY	2·35				
AUG.	1·68				
SEPT.	1·16				
OCT.	2·19				
NOV.	1·06				
DEC.	·56				
Total	21·00				

Signature Wm. H. Williamson

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—
Wm. H. Williamson Allonby Maryport
Cumbd.

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station BULLGILL LMS Distance 3½ Direction from gauge SSE

Nearest Parish Church at Allonby Distance ½ Direction from gauge S.

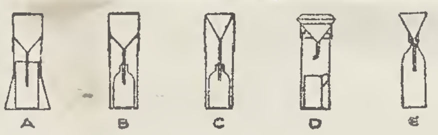
Nature of objects nearest to gauge	Garden	wall	8 yds distant	
Heights of objects	6 f			
Distances ..				
Directions from gauge ..	S.			

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B.**)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

A remarkable year. Total absence of storms no great harm fr. drought Bumper crops well secured.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

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(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\begin{array}{c|l} 17 & \\ 18 & \end{array}\Big\}\cdot 14\Big|$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

M.O. 7
3 JAN 1934

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(457) Wt.9673/738 16000 8/32. Gp. 119/110.

FORM 1090.

B Monthly Summary.

, The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1934

At ALLONBY

In the County of CUMBERLAND

Rain Gauge

Diameter of Funnel 5 in.

Height of Top above Ground ft 10 *in.*

Height of Ground above Sea Level 25 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	4·41				
FEB.	·17				
MAR.	1·86				
APRIL	2·77				
MAY	2·32				
JUNE	2·43				
JULY	1·25				
AUG.	4·45				
SEPT.	2·54				
OCT.	3·77				
NOV.	1·09				
DEC.	5·53				
Total	32·59				

Signature Wm H. Williamson

*See Instruction 2 (*f*) below.

C Particulars of Station.

3612

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Wm H. Williamson
Dickinson Place Allonby Maryport

Hour of observation by the clock—in Winter 8-8·30 in Summer 8-830

Nearest Railway Station BULLGILL Distance 3½ m Direction from gauge SSE

Nearest Parish Church at ALLONBY Distance ¼ Direction from gauge S

Nature of objects nearest to gauge				
Height of objects				
Distances				
Directions from gauge				

If gauge has been moved during the year state—

Date of move no change Distance Direction

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Dec the wettest mo. since Jan 1931 abt an inch fell on 4th resulting in flooded land. Persistent raining but extremely mild.
Av. Yly RAINFALL 33·26.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{r}17\\18\end{array}\right\}$ ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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3612

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1935

At Allonby

In the County of Cumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* ..... *ft* 11 *in.*
- *Height of Ground above Sea Level* 25 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	1·32				
FEB.	3·44				
MAR.	·79				
APRIL	2·47				
MAY	·55				
JUNE	2·30				
JULY	1·10				
AUG.	2·88				
SEPT.	3·98				
OCT.	4·86				
NOV.	3·56				
DEC.	1·33				
Total	28·58				

Signature Wm H. Williamson J.P.

3 JAN. 1936

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter ..... in Summer .....

Nearest Railway Station ..... Distance ..... Direction from gauge .....

Nearest Parish Church at ..... Distance ..... Direction from gauge .....

Nature of objects nearest to gauge				
Height of objects				
Distances				
Directions from gauge				

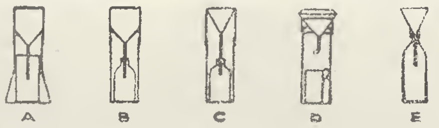
No change

If gauge has been moved during the year state—

Date of move ..... Distance ..... Direction .....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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3612

FORM 1090.

B Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1936

At Allonby

In the County of Cumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* *in.*
- *Height of Ground above Sea Level* 25 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
	Inches	Inches	Date	·01 in. or more *	·04 in. or more *
JAN.	3·51				
FEB.	2·02				
MAR.	1·36				
APRIL	·59				
MAY	1·26				
JUNE	2·65				
JULY	3·30				
AUG.	1·70				
SEPT.	4·30				
OCT.	3·14				
NOV.	3·44				
DEC.	3·14				
TOTAL	30·41 ✓				

Signature Wm H Williamson

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

W. H. Williamson, Dickinson Place

Allonby Maryport.

Hour of observation by the clock—in Winter................in Summer................

Nearest Railway Station................ Distance................ Direction from gauge................

Nearest Parish Church at................ Distance................ Direction from gauge................

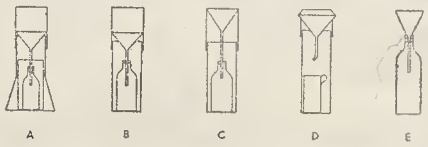
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move................ Distance................ Direction................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
  (A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
  (B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 / 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9999

3612

Form 1090.

B Monthly Summary.

*** **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1937

At ALLONBY

In the County of CUMBERLAND

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* ft. 10 in.
- *Height of Ground above Sea Level* 25 ft.

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	2·91				
FEB.	3·65				
MAR.	1·37				
APRIL	2·19				
MAY	1·70				
JUNE	1·80				
JULY	2·77				
AUG.	1·07				
SEPT.	3·00				
OCT.	3·41				
NOV.	·97				
DEC.	2·29				
TOTAL	27·13				

Signature Wm H. Williamson

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Wm H. Williamson
Dickinson Place Allonby

Hour of observation by the clock—in Winter 9·30 in Summer 9·30

Nearest Railway Station Bullgill LMS Distance 3½ Direction from gauge S.E.

Nearest Parish Church at Allonby Distance ½ m. Direction from gauge S

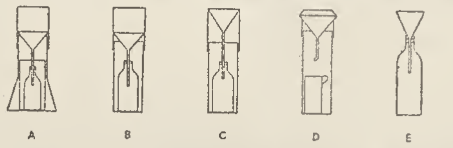
Nature of objects nearest to gauge				
Height of objects		No change		
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move............ Distance............ Direction............

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Almost complete absence of thunder rain
Snow in Dec. never more than [illegible] in deep

M.O. 7
3 JAN. 1938

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9999

FORM 1090.

B Monthly Summary.

3612

, The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1938.

At ALLONBY, MARYPORT

In the County of CUMBERLAND.

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* ft. 10 in.
- *Height of Ground above Sea Level* 25 ft.

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
JAN.	2·85				
FEB.	·91				
MAR.	1·60				
APRIL	·29				
MAY	4·27				
JUNE	2·93				
JULY	4·15				
AUG.	3·49				
SEPT.	2·32				
OCT.	6·66				
NOV.	5·69				
DEC.	2·67				
TOTAL	37·83 ✓				

Signature Wm H. Williamson

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Wm H. Williamson Sr.
Dickinson Place Allonby Maryport Cumbd

Hour of observation by the clock—in Winter 9 in Summer 9

Nearest Railway Station Bullgill Ums Distance 3½ m Direction from gauge SE

Nearest Parish Church at Allonby Distance at ½ m Direction from gauge

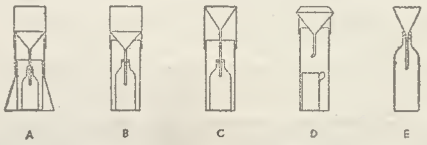
Nature of objects nearest to gauge				
Height of objects				
Distances		no move		
Directions from gauge				

If gauge has been moved during the year state—

Date of move ………… Distance ………… Direction …………

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

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(*a*) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
- (A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
- (B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9999

FORM 1090.

3612

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939

At Dickinson Place, Allonby

In the County of Cumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground ft. 10 in.*
- *Height of Ground above Sea Level 25 ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	4·54				
FEB.	2·44				
MAR.	1·68				
APRIL	1·29				
MAY	·56				
JUNE	1·86				
JULY	4·17				
AUG.	2·10				
SEPT.	1·97				
OCT.	1·71				
NOV.	4·32				
DEC.	1·31				
TOTAL	27·95				

Signature Wm Hy Williamson 1·1·40

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Wm Hy Williamson
Dickinson Place Allonby

Hour of observation by the clock—in Winter 9 in Summer 9

Nearest Railway Station Bullgill LMS Distance 3½ ml Direction from gauge SE

Nearest Parish Church at Allonby Distance ½ m. Direction from gauge S.

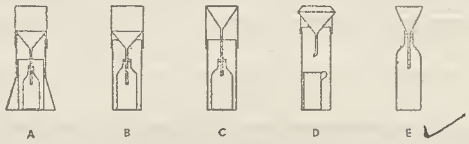
Nature of objects nearest to gauge				
Height of objects				
Distances		no change		
Directions from gauge				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B.**)

If the gauge is of a self-registering or self-recording type please give particulars.



If **you know of any record of rainfall** not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

M.O. 7
-3 JAN. 1940

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9999

3612

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1940

At DICKINSON PLACE ALLONBY

In the County of CUMBERLAND

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground ft. 10 in.
Height of Ground above Sea Level 25 ft.

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	1·91				
FEB.	·74				
MAR.	4·71				
APRIL	1·40				
MAY	1·38				
JUNE	·61				
JULY	4·01				
AUG.	1·17				
SEPT.	4·38				
OCT.	2·70				
NOV.	2·88				
DEC.	1·28				
TOTAL	27·26				

Signature Wm Hy Williamson

1/1/41.

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—
Wm Hy Williamson
Dickinson Place, Allonby Maryport

Hour of observation by the clock—in Winter 9 in Summer 9

Nearest Railway Station Bullgill LMS Distance 3½ Direction from gauge S.E.

Nearest Parish Church at ALLONBY Distance ½m. Direction from gauge S

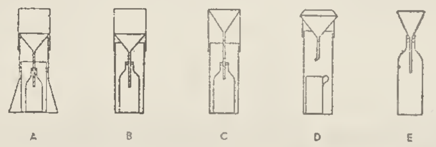
Nature of objects nearest to gauge				
Height of objects	no change			
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

M. O. 3a.
4 JAN 1941
B. R.

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

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(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 / 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

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(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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3613

Section **A** for the entry of Daily

COPY FOR OFFICIAL USE.

AIR MINISTRY.—ME … TISH RAINFALL ORGANIZATION.

Form 1090.

REGISTER … IN 1931.

3613.

CUMBERLAND.

RENWICK.

1931 — 33.

780403.

Kept at Renwick, Penrith

in the County of Cumberland

Diameter of Funnel of Gauge 5

Height of top of Gauge above Ground 1

,, Ground ,, Sea Level

THE MORNING MEASUREMENT … PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1			·10	·03	·03		·03		·22	·04			1
2		·14	·25	·46		·77	·02		·04	·08	·15	·43	2
3			·10			·11	·17		·87	·07	1·58	·44	3
4				·12					·48	·03	·08	·09	4
5					·16	·57	·06	·05	·16		·03	·88	5
6		·28	·25			·74	·17	·12	·03	·54	·26	·03	6
7		·09	·20			·31		·26		·34	·03	·12	7
8	·24	·14	·25		·04	·16	1·21	·17	·12	·06	·12	·03	8
9	·06	·21	·30	·05	·07	·11	·02	·44		·27	·03	·05	9
10	·09	·17	·20		·28	·26		·47			·26	·03	10
11	·41	·52		·11		·03	·21	·03	·14	·13	·30	·04	11
12		·26		·06		·21	·24	·03		·12	·06		12
13			·52	·03	·14	·09	·03	·02				·05	13
14	·14	·20	·27	·02	·28	1·88	·20	·40			·23	·11	14
15	·04	·15		·46	·03	·07		·14	·08				15
16	·14	·30		·24			·21	·82	·17				16
17		·40		·31	·06	·11	·46	·25	·03		·24		17
18	·21			·29		·18	·22			·02	·41	·04	18
19	·09	·07		·02		·02	·08	·37	·06	·05			19
20	·06	·11	·03			·05		·12			·24		20
21	·10	·20	·32	·04		·04	·03				·02		21
22	·14	·25	·05	·15	·25	·09	·11						22
23		·14		·16	·09	·54				·21	·31	·30	23
24	·26	·21		·25	·36		·07				·09		24
25	·28	·17		·16	·02		·04				·07	·07	25
26	·09			·07						·03	·45		26
27	·42	·10		·48		·24	·31			·21	·05		27
28	·54	·20		·25	·24		·27					·10	28
29	·19		·10		·15		·66			·54	·14		29
30	·05	✕		·04	·40		·05		·04				30
31	·40	✕		✕		✕	·07		✕	·24	✕	·08	31
Total	3·95	4·31	2·94	3·80	2·60	6·58	4·94	3·69	2·44	2·98	5·15	2·89	Year's Total 46·27
*Days with ·01 in. or more.	20	21	14	22	16	21	24	15	12	17	22	17	221
*Days with ·04 in. or more.	20	21	13	18	13	19	19	12	10	14	18	14	191

40-9999

*See Instruction 2 (*f*) on other side.

(*Signed*) Wm Salkeld

[P.T.O.

3613

Section **A** for the entry of Daily

COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1931 .

Kept at Renwick Penrith

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft 0 in.

,, Ground ,, Sea Level 750 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1			·10	·03	·03		·03		·22	·04			1
2		·14	·25	·46		·77	·02		·04	·08	·15	·43	2
3			·10			·11	·17		·87	·07	1·58	·44	3
4				·12					·48	·03	·08	·09	4
5					·16	·57	·06	·05	·16		·03	·88	5
6		·28	·25			·74	·17	·12	·03	·54	·26	·03	6
7		·09	·20			·31		·26		·34	·03	·12	7
8	·24	·14	·25		·04	·16	1·21	·17	·12	·06	·12	·03	8
9	·06	·21	·30	·05	·07	·11	·02	·44		·27	·03	·05	9
10	·09	·17	·20		·28	·26		·47			·26	·03	10
11	·41	·52		·11		·03	·21	·03	·14	·13	·30	·04	11
12		·26		·06		·21	·24	·03		·12	·06		12
13			·52	·03	·14	·09	·03	·02				·05	13
14	·14	·20	·27	·02	·28	1·88	·20	·40			·23	·11	14
15	·04	·15		·46	·03	·07		·14	·08				15
16	·14	·30		·24			·21	·82	·17				16
17		·40		·31	·06	·11	·46	·25	·03		·24		17
18	·21			·29		·18	·22			·02	·41	·04	18
19	·09	·07		·02		·02	·08	·37	·06	·05			19
20	·06	·11	·03			·05		·12			·24		20
21	·10	·20	·32	·04		·04	·03				·02		21
22	·14	·25	·05	·15	·25	·09	·11						22
23		·14		·16	·09	·54				·21	·31	·30	23
24	·26	·21		·25	·36		·07				·09		24
25	·28	·17		·16	·02		·04				·07	·07	25
26	·09			·07						·03	·45		26
27	·42	·10		·48		·24	·31			·21	·05		27
28	·54	·20		·25	·24		·27					·10	28
29	·19		·10		·15		·66			·54	·14		29
30	·05	×		·04	·40		·05		·04				30
31	·40	×		×		×	·07		×	·24	×	·08	31
TOTAL	3·95	4·31	2·94	3·80	2·60	6·58	4·94	3·69	2·44	2·98	5·15	2·89	YEAR'S TOTAL 46·27
*Days with ·01 in. or more.	20	21	14	22	16	21	24	15	12	17	22	17	221
*Days with ·04 in. or more.	20	21	13	18	13	19	19	12	10	14	18	14	191

40-9999

*See Instruction 2 (*f*) on other side.

(Signed) Wm Salkeld

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** **for the entry of Daily Observations.** **Station No** 3613

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

Kept at Renwick, Penrith

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft 0 in.

" Ground " Sea Level 750 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·21	·04		·16			·11	·02	·58	·28	·24	·34	1
2	·44				·18		·42	·04	·54	·06	·19	·36	2
3	·23			·15			·06	·03	·31	·05	·18		3
4	·12			·02	·11		·57	·09	·05	·06		·08	4
5	·25		·30	·08	·20	·06	·04	·14	·12	·02			5
6	·34		·20	·27	·08				·08	·45			6
7	·04		·32	·21	·25	·07			·17	·62			7
8		·07		·09					·32	1·24			8
9	·78	·30	·10	·42	·18				·08	·24		·04	9
10	·21	·20		·11					·72	·52			10
11	·08	·10	·20	·25	·31	·14	·32		·03	·03		·02	11
12	·24		·14		·34	·06	·06	·06	·06	·27			12
13	·13		·08	·16	·22		·03		·91	·05		·11	13
14	·27			·08					·02	·11	·04	·04	14
15	·22			·03	1·02					·08	·12	·12	15
16	·91		·03				·02			·23		·58	16
17	·03				·12		·16	·12	·03	·25		·05	17
18					·08				·04			·04	18
19	·05		·18	·26	·07		·05		·05	·16	·03		19
20			·04	·47	·04		·02	·71		·11	·11		20
21	·08	·04	·42	·05	·02		·16	·22		·72	·12	·12	21
22			·34	·17			·42			·11	·52	·04	22
23		·06		·30			·09		·11	·09	·20	·11	23
24	·06		·05		·03	·06	·14		·34		·04		24
25				·20	·17	·13	·02	·02	·21	·43	·14		25
26		·17			·04		·42		·39	·23	·08		26
27			·32	·11		·83	1·04	·06		·09	·15	·14	27
28			·12	·13	·31	·01	·05			·08	·04	·03	28
29			·78		·11	·22	1·08	·16		·57	·20	·14	29
30		X	·31	·08		·85	·19	·25	·71	·09	·04		30
31	·09	X	·05	X		X	·34		X	·02	X	·12	31
TOTAL	4·78	·98	3·98	3·80	3·88	2·43	5·81	1·92	5·87	7·26	2·44	2·48	YEAR'S TOTAL 45·63
*Days with ·01 in. or more.	20	8	18	22	20	10	23	13	22	29	17	18	220
*Days with ·04 in. or more.	19	8	17	20	18	9	19	10	19	26	16	16	197

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*See Instruction 2 (*f*) on other side.

(Signed) Wm Salkeld

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3613

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Kept at Renwick, Penrith

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft 0 in.

,, Ground ,, Sea Level 750 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	.21	.11						.03	.02		.31			1
2	.62		.07	.08		.42		.02	.02		.02	.03		2
3	.06	.34	.12	.05	.22						.08			3
4	.42	.22	.41		.24						.04			4
5	.22	.31	.14		.05						.05			5
6		.17	.27		.73						.02	.04		6
7	.09	.31	.04		.06		.31	.03		.42				7
8	.15	.04	.24	.41	.07	.17	.23	.02		.16				8
9		.26			.16		.30			.71	.05	.05		9
10	.24	.08			.02	.41	.07			.15				10
11				.18	.08		.12			.24		.12		11
12	.07					.05	.32			.02		.05		12
13	.02		.15		.12		.21	.11		.32	.22			13
14	.34		.11				.18				.57	.11		14
15	.13		.14	.16		.16	.02	.09		.31	.21			15
16	.20	.09	.27	.09	.28	.18	.08	.03		.03	.40			16
17	.10		.08	.03	.02	.57		.14	.14		.35			17
18		.30	.26			.58	.02	.23			.17	.10		18
19			.14	.06		.09		.03	.05		.13			19
20		.40			.46	.12			.09	.04				20
21					.11			.28	.03	.06	.02			21
22				.02	.07	.05		.03	.02	.03				22
23				.03	.03			.16	.12	.03	.02			23
24		.50		.15	.25	.12	.08	.03	.21	.05	.12	.08		24
25		.40		.11	.03		.04	.04	.43			.14		25
26		.50		.16			.75		.15	.34				26
27		.32		.05						.74				27
28							.23	1.02				.03		28
29			.11	.32			.09	.16		.52		.07		29
30	.15	×	.07	.48			.23			.06		.26		30
31	.85	×	.12	×		×	.12	.61	×	.05	×	.10		31
TOTAL	3.87	4.32	2.74	2.38	3.00	2.92	3.40	3.06	1.28	4.28	2.78	1.18	Year's Total 35.21	
*Days with .01 in. or more.	16	16	17	16	18	12	18	18	11	19	17	13	191	
*Days with .04 in. or more.	15	16	17	13	14	12	16	10	7	15	13	11	159	

† Spare column, no entries required.

(*Signed*) Wm Salkeld [P.T.O.

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*See Instruction 2 (*f*) on other side.

3614.

CUMBERLAND.

HEATHER GLEN

AINSTABLE

1931 — 36.

780Y03.

3614

Section **A** for the entry of Daily Obse

AIR MINISTRY.—METEO

FOR OFFICIAL USE.

RAINFALL ORGANIZATION.

FORM 1090.

REGISTER O 193/.

Kept at Heather Glen Ainsta

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft.

,, Ground ,, Sea Level 50

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ·00

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	HF	·15	·09	·01				·14		·05	·24		1
2	HF		·02				·05		·26	·03			2
3	HF	·06	·02	·47		·82	·04		·06	·05	·34	·43	3
4	VHF	Sn	F			·08	·19		·20	·14	1·51	·26	4
5	VHF	·05 Sn	Sn	·12	·05	·02			·59	·02	·04	·10	5
6	VHF	·01	Sn		·09	·30	·08	·24	·03			·75	6
7	VHF	·26	3" Sn			·51	·56	·01	·01	·26	·29	·02 F	7
8	VHF	·06	·12 Sn			·31		·24		·26	·08	·13	8
9	·13 HF	·13	·06 2" Sn	·02		·06	·74	·06	·11	·10	·10	·03	9
10	·04	·17	·10 3" Sn		·08	·09	·01	·65		·31	·09	·02	10
11	·03	·18		·03	·38	·28	·01	·08			·12		11
12	·39	·45	HF	·09	·24		·21		·10	·14	·27	·03	12
13	F	·02	·13 F	·04	·04	·10	·26			·10	·02		13
14	VHF		·61 Sn			·08	·28					·03	14
15	·18	·11		·01		2·06	·60	·26	·15		·27	·06	15
16	·01			·40		·04	·02	·11					16
17	·21	·30	F	·20		·01	·10	·12				F	17
18		·14	F	·12	·13	·11	·45	·16			·36	F	18
19	·16	·02		·10		·30	·16		·02		·41	F	19
20	·09	·05				·01	·10	·36	·06	·02		F	20
21		·10		F		·02	·01	·16			·20	·06 F	21
22		·08	·24	·02	·08	·04		·36			·02	·01 HF	22
23	·21	·13	·01	·06	·27	·10	·10					·01	23
24	·36			·14	·10	·44				·18	·24	·15	24
25		·11		·18	·25	·01	·05			HF	·18	·03	25
26	·23	·13		·13						F			26
27	·07	·01		·15						·03	·52		27
28	·13			·14		·18	·45			·28	·02	·03	28
29	·48			·14	·70							HF	29
30	·13	×	·02		·02		·45			·50	·10	VHF	30
31	·01	×		×	·45	×	·01		×	F	×	VHF	31
TOTAL	·15 ~~2·86~~ 3·01	·09 ~~2·72~~ 2·66	·01 ~~1·42~~ 1·34	– ~~2·57~~ 2·56	2·88	5·97	·14 ~~4·93~~ 5·07	– ~~2·95~~ 2·80	·05 ~~1·59~~ 1·64	·24 ~~2·41~~ 2·66	– ~~5·42~~ 5·18	– 2·15	YEAR'S TOTAL 37·93
*Days with ·01 in. or more.	~~17~~ 18	22	11	~~20~~ 19	14	23	~~23~~ 24	~~14~~ 13	~~11~~ 12	16	~~21~~ 20	17	209
*Days with ·04 in. or more.	~~14~~ 15	18	~~7~~ 6	15	13	18	~~18~~ 19	~~13~~ 12	~~8~~ 9	12	~~18~~ 17	8	162

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(Signed) Archd Guthrie Smith [P.T.O.

*See Instruction 2 (*f*) on other side.

3614

Section **A** for the entry of Daily Observations.

FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1931.

Kept at Heather Glen Ainstable

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 6 in.

,, Ground ,, Sea Level 500 ft.

wD

corr. for WD.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ·00

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	HF	·15	·09	·01				·14		·05	·24		1
2	HF		·02				·05		·26	·03			2
3	HF	·06	·02	·47		·82	·04		·06	·05	·34	·43	3
4	VHF	Sn	F			·08	·19		·20	·14	1·51	·26	4
5	VHF	·05 Sn	Sn	·12	·05	·02			·59	·02	·04	·10	5
6	VHF	·01	Sn		·09	·30	·08	·24	·03			·75	6
7	VHF	·26	3" Sn			·51	·56	·01	·01	·26	·29	·02 F	7
8	VHF	·06	·12 Sn			·31		·24		·26	·08	·13	8
9	·13 HF	·13	·06 2" Sn	·02		·06	·74	·06	·11	·10	·10	·03	9
10	·04	·17	·10 3" Sn		·08	·09	·01	·65		·31	·09	·02	10
11	·03	·18		·03	·38	·28	·01	·08			·12		11
12	·39	·45	HF	·09	·24		·21		·10	·14	·27	·03	12
13	F	·02	·13 F	·04	·04	·10	·26			·10	·02		13
14	VHF		·61 Sn			·08	·28					·03	14
15	·18	·11		·01		2·06	·60	·26	·15		·27	·06	15
16	·01			·40		·04	·02	·11					16
17	·21	·30	F	·20		·01	·10	·12				F	17
18		·14	F	·12	·13	·11	·45	·16			·36	F	18
19	·16	·02		·10		·30	·16		·02		·41	F	19
20	·09	·05				·01	·10	·36	·06	·02		F	20
21		·10		F		·02	·01	·16			·20	·06 F	21
22		·08	·24	·02	·08	·04		·36			·02	·01 HF	22
23	·21	·13	·01	·06	·27	·10	·10					·01	23
24	·36			·14	·10	·44				·18	·24	·15	24
25		·11		·18	·25	·01	·05			HF	·18	·03	25
26	·23	·13		·13						F			26
27	·07	·01		·15						·03	·52		27
28	·13			·14		·18	·45			·28	·02	·03	28
29	·48			·14	·70							HF	29
30	·13	×	·02		·02		·45			·50	·10	VHF	30
31	·01	×		×	·45	×	·01		×	F	×	VHF	31
TOTAL	·15 ~~2·86~~ 3·01	·09 ~~2·72~~ 2·66	·01 ~~1·42~~ 1·34	– ~~2·57~~ 2·56	– 2·88	– 5·97	·14 ~~4·93~~ 5·07	– ~~2·65~~ 2·80	·05 ~~1·59~~ 1·64	·24 ~~2·47~~ 2·66	– ~~5·42~~ 5·18	– 2·15	YEAR'S TOTAL 37·93
*Days with ·01 in. or more.	~~17~~ 18	22	11	~~20~~ 19	14	23	~~23~~ 24	~~14~~ 13	~~11~~ 12	16	~~21~~ 20	17	209
*Days with ·04 in. or more.	~~14~~ 15	18	~~7~~ 6	15	13	18	~~18~~ 19	~~13~~ 12	~~8~~ 9	12	~~18~~ 17	8	162

40-9999

(Signed) Archd Guthrie Smith [P.T.O.

*See Instruction 2 (*f*) on other side

3614

Section A for the entry of Daily Observations. **COPY FOR OFFICIAL USE.**

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

Kept at Heather Glen Ainstable

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 6 in.

,, Ground ,, Sea Level 500 ft.

Station Number 3614
File number 661439/26

WD

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following: ·08

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in	
1		·04		·05			·40	·21	·10	·56		·47	1
2	·24	F		·19 Sn	·05		·10	·03	·35	·20	·22		2
3	·33	·03		·01 F	·14		·24	·02	·45	·05	·09	·21	3
4	·20	·02					·08	·01	·31	·06 F	·13	·17 F	4
5	·12	·01	·02	F	·05		·39	·16	·02	·04 F	F	·09	5
6	·18		·29 1" Sn	·07	·05			·08	·20		F	HF	6
7	·25		·17	·17	·04 F				·07	·25		HF	7
8	F		·32	·13	·15	·09			·04	·32		HF	8
9	F	·02	HF	·09					·26	·95		F	9
10	·63	F Sn 2"	HF	·30					·18	·45		F	10
11	·28	·06 Sn 2"	·05						·51	·12		·08	11
12	·07 F	·09	HF	·05	·24	·17	·32	·10	·01	F		F	12
13	·17	F	·03		·50		·80	·05	·04	·27		F	13
14	·10	·03 F		·14		10	22	·02	·94	·12		·02	14
15	·32	F		·05						·04		·13	15
16	·20	F			·78			·01		·05	·06	·06	16
17	·65	F			·03					·16		·85	17
18		F		·02	·10		·22	·06	·01	·40		·05	18
19		F		·13	·05					·01 F		·03	19
20		·03 F	·17	·11			·04		·09 F	·14			20
21			·05		·05			·50	F	·14	·06	·02	21
22	·05		·79	·17	·03		·13	·06		·65	·04	·10	22
23	·02		·05	·20			·26				·64	·08	23
24	·01						·09	[illegible]	·03	·10	·15	·05	24
25	·05		·02	·05 Sn		·05	·09	[illegible]	·26	·18	·04		25
26	HF	·04		F	·03	·05	·09	[illegible]	·23	·35	·13	·02	26
27	HF			·02	·13	·03	·41	·26	·26	·15	·09		27
28	·02	·03	·20		·03	·70	·78	·06	F		·08	·14	28
29			·05	·08	·29	·02	·09		F	·10		·10	29
30	·12	X	·75		·04	·11	1·04	·28	·01	·39			30 36·72
31	·04 HF	X	·31 ·05	X		·40 X	·10	·27	·56 X	·04	·47 X	·02 ·08	31 +·08
TOTAL	~~4·0~~ 4·05	~~·40~~ ·36	~~3·22~~ 3·72	~~2·03~~ 1·98	2·78	~~1·32~~ 1·72	~~·89~~ ·21 5·70	~~·98~~ ·10 1·81	~~4·37~~ 4·83	~~6·23~~ 5·67	~~·23~~ 2·20	~~2·06~~ 2·30	YEAR'S TOTAL ~~36·64~~
*Days with ·01 in. or more.	~~20~~ 21	~~11~~ 10	~~15~~ 16	~~19~~ 18	19 ~~20~~	~~9~~ 10	20 ✓	16 ✓	21 ✓	~~26~~ 25	~~12~~ 13	19 ✓	~~207~~ 208
*Days with ·04 in. or more.	~~17~~ 18	~~4~~ 3	~~12~~ 13	~~16~~ 15	15 ✓	~~7~~ 8	20 ✓	11 ✓	16 ✓	~~25~~ 24	~~12~~ 13	14 ✓	~~169~~ 170

40-9999

(Signed) Archd Guthrie-Smith [P.T.O.

*See Instruction 2 (*f*) on other side.

3614

COPY FOR OFFICIAL USE.

Section A for the entry of Daily Observations.

Station No. ~~3614~~

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933

File No-661439/26

Kept at Heather Glen - Annstable

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 6 in.

,, Ground ,, Sea Level 500 ft.

WD

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following: ·14

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·08	·57			·05			·03			·05		1
2	·15	·04		·10							·19	·02	2
3	·55	·01	·11	·02		·28							3
4	·06	·19	·13		·11						·14	·03	4
5	·45	·16	·12		·21						·03	·05	5
6	·14	·21	·10		·02					·01	·03	·06	6
7	·02	·15	·15		·86					·01			7
8	·12	·30	·04 F		·14					·49			8
9		·03	·20	·35	·09	·21	·23			·17			9
10		·28			·12	·02	·32			·56	·05	·02	10
11		F			·05	·29	·06			·12	F	F	11
12		F	F	·08	·09	·03	·10			·20	F	·08	12
13		F	F			·08	·30	·04		·02		·10	13
14	·10	HF	·19	·01	·11	·07	·19	·11		·14	·19		14
15	·37	F					·42	·20	F		·38	·04	15
16		F	·17			·15		·05	F	·30	·11	F	16
17	·08 Sn	F	·27	·02	·20	·16	·10			·03 F	·11	·05 F	17
18	·10 Sn	VHF	·04	·03	~~·08~~	·55		·01			·11	F	18
19	·01 Sn	F 3" Sn	·11			·34		·31	·10		·05	·05	19
20	HF	·13 3" Sn	·04	·14		·01		·05	·18		·15		20
21	VHF	HF		·03	·35	·02				·04			21
22	VHF	VHF							~~·05~~	·03	·03		22
23	VHF	VHF		·01	·14	·32		·33		·16			23
24	VHF	HF		·05					·08			·04	24
25	VHF	F Sn	F	·15	·31	·15	·09	·07	·10	·03	F	·06	25
26		·30 Sn	F	·06	·20	·01		·01	·45				26
27	F	·18	F	·06				·04	·04	·29		·02	27
28	VHF	·06		·06			·50		·10	·02		·05	28
29	F			·09	·02		·14	·98	·07	·53		·07	29
30	F	×	·07	·24			·09	·08		·19		F	30
31	·57 Sn	×	·03	× ·05		×	~~·25~~ ·03		×	~~·07~~ ·05	×	~~·17~~ ·14 F Sn	31
TOTAL	~~2·15~~ 2·64	~~2·61~~ 2·04	1·77	1·5~~0~~5	3·~~12~~07	2·63	~~2·79~~ 2·82	~~2·31~~ 2·28	1·11	3·4~~1~~6	1·6~~2~~ 57	~~·91~~ 1·05	YEAR'S TOTAL 25,939
*Days with ·01 in. or more.	12 ✓	~~14~~ 13	15	~~17~~ 18	~~18~~ 17	16	~~13~~ 14	~~14~~ 13	9	~~20~~ 21	~~14~~ 13	~~16~~ 17	178 ✓
*Days with .04 in. or more.	10 ✓	~~12~~ 11	14	~~11~~ 12	~~16~~ 15	10	13	11	8	~~13~~ 14	~~11~~ 10	~~12~~ 13	141

40-9999

*See Instruction 2 (*f*) on other side.

2D

(Signed) Archd Guthrie-Smith

P.T.O.

W W W ff.

Section **A** for the entry of Daily Observations.

COPY FOR OFFICIAL USE.

Station No. 3614

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934

File No 661439/26

Kept at Heather Glen - Ainstable - Carlisle

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 6 in.

,, Ground ,, Sea Level 500 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ·17

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·14	·05	F						·11	·73	Sn HF			1
2			·04		·02			·03	·27	·03	HF	·12		2
3	·10		·19						·10	·07	·14	·47		3
4	·22	·03	·04	F				·24		·10	·22	·20		4
5	·27		·06	·04	·05			·23	·02		·03	·72		5
6	·09		·11	Sn	·39			·32	·02	·11	·03 F	·06		6
7			·03 Sn	·11	·44	·04			·14	·09	F	·13		7
8		·09	·07	·09		·19		·05		·12	F	·15		8
9	·10				·10	·02		·03	·01	·11	F	·18		9
10	·20		·03	·34 Sn 3"				·12	·09	·05	·16			10
11	·27		·02	·06				·49	·02		·14	·09		11
12	·06		·03	·56			·89	·12	·03		·02	·02		12
13			·25	·52			·87					·02		13
14	·38	·02	·02 HF	·07	·04		·05			·03				14
15	·37		·11		·03	·08				·11				15
16	·22		·08		·48			·14	·16	·16	·03	·20		16
17	·50		·35		·27					·36	·03	·19		17
18	·01		·13	·04	·09	·04	·31		·45	·01	F	·20		18
19	[illegible] Sn		·10	·10	·21		·03	·09	·16	·01				19
20		·02	·03	·06	·34	·57	·04	·05	·03	·19	·03	·15		20
21	·51		·04		·10	·08		·20	·14		·05	·05		21
22	·10		·03	·16	·05	·69		·18	·20	·03	·01			22
23			·07	·03		·29	·05	·37	·21	·04	·03			23
24			·07	·34			·41	·02		·59	·09			24
25	F	·03 F		·15	·02	·05	·05		·07	·62		·09		25
26	·07	HF	·02	·12		·21	·08		·16	·36		·23		26
27	·15	HF	·02 F	·19	·22		·20		·15	·26				27
28		F	F	·10		·62	·03			·17		·21		28
29				·05		·24	·07	·46	·03	·16		·41		29
30		×		·02			·06	·09	·16	·26		·05		30
31	·61 ·05	×		×		×		·03	×	·48 Sn F	×	·20		31
TOTAL	4·2~~1~~6	~~·24~~ ·19	1·94	3·15 ✓	2·85 ✓	3·12 ✓	3·14 ✓	~~3·26~~ 3·37	~~2·35~~ [illegible]	~~5·25~~ 4·53	1·01 ✓	~~4·14~~ 4·31 ·17	Year's Total 35·04 +·17=35·21 ✓	
*Days with ·01 in. or more.	~~18~~ 19	~~6~~ 5	24 ✓	20 ✓	16 ✓	13 ✓	14 ✓	~~19~~ 20	22 ✓	~~26~~ 25	14 ✓	~~22~~ 23	~~214~~ 215	
*Days with ·04 in. or more.	~~17~~ 18	~~2~~ 1	15 ✓	18 ✓	13 ✓	12 ✓	12 ✓	16	15 ✓	2~~1~~0	6 ✓	20	16~~4~~7	

40-9999

*See Instruction 2 (*f*) on other side.

† Spare column, no entries required.

(*Signed*) ....

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3614

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935

File No 661439/26

Kept at Heather Glen Armathwaite-Carlisle

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft 6 in.

,, Ground ,, Sea Level 500 ft.

? need for WD

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ·20 {Have [illegible] Dec

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·17	·70	·18	·00	·00	·00	·20	·00	·10	·45	·15	·19		1
2	·95	·05	·03				·41		·44	·14	·02			2
3	·01 F	·07	·02	F		·07	·04		·20	·09	·04	·03		3
4	F	·57		F		·39			·04	F	·30	·06		4
5	F		·08	F		·31	·05			·16	F	·06 F		5
6		·36	·08			·70			·12	·07	·05 F	·01 F		6
7	HF	F				·19				·16		F		7
8	F	F	F			·26				·31		·08		8
9				·25		·18		·11		·59	·02	·29		9
10	·10	·04		·35			·01			·50	·10	F		10
11	·22 FSn	·36		·10		·09				·24	·12	F		11
12	HF	·01	F	·04		·07		·17		·09	·08	F		12
13	HFSn	·09	F			·18			·08	·02	·02	F		13
14	·15	·15	F		·36 HF	·16			·14					14
15	·01	·04			HF	·23			·01		·21			15
16	F	·44	·11	·31	·25 Sn	·48		·10	·35		·03	HFSn		16
17		·60		·85	·44 (3" Sn)	·24	·20		·22	·34	[illegible]	VHF		17
18				·53		·07	·13		·25	·07	·22	VHF		18
19	·02	·05				·11	·05		·19	·30	·06 F	VHF		19
20		·14				·11	·41			·05	·08	VHF		20
21		·23				·07				F	·03	VHF		21
22			·06						·55	·19 HF	·06	VHFSn		22
23		·07 (3" Sn)	·20					·25	·01	HF		VHF		23
24	·07	·12 (3" Sn)	·07						·02	·37	HF	F		24
25	·22 F	·55	·19	·25					·22		·35	·15		25
26	·08 F					·07					·26	·10		26
27	HF					·21		1·05	·24	·18	·34	·25		27
28	VHF	·08				·02	·14		·16	·45		·05		28
29	F								·11		·13			29
30	·07 F	✗	·25			·10		·20	·24	·75	·37			30
31	·03 ·10	✗ ·18	–	✗ –	–	✗ ·20	–	·16 ·10	✗ ·45	·31 ·15	✗ ·19	·15 ·20		31
TOTAL	~~2·03~~ 1·96	~~4·20~~ 4·28	~~1·09~~ ·91	2·68	1·05	~~4·51~~ 4·71	~~1·44~~ 1·24	~~2·14~~ 2·24	~~4·04~~ 4·39	~~5·53~~ 5·23	~~3·08~~ 3·12	~~1·43~~ 1·44	Year's Total ~~33·22~~	33·25
*Days with ·01 in. or more.	13	20	~~10~~ 9	8	3	~~23~~ 24	~~9~~ 8	~~8~~ 9	20	22	22	12	170	✓
*Days with ·04 in. or more.	9	19	~~8~~ 7	8	3	~~23~~ 24	~~8~~ 7	~~8~~ 9	17	21	17	9	150	✓

40-9999

*See Instruction 2 (*f*) on other side.

† Spare column, no entries required.

(*Signed*) Archd Guthrie-Smith [P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3614

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1936 File No 661439/26

Kept at Heather Glen Ainstable Carlisle

in the County of Cumberland

W. D.

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 6 in.

,, Ground ,, Sea Level 500 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following
·20

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·20	·04	·13	·10	·00	·01								1
2	·00	·22	·19			·10								2
3	·00	FSn	FSn											3
4	·00	VHF	F	F		·35								4
5	·25	VHF	·04	F										5
6	·09	F	·07	F										6
7	·00	HF	·02											7
8	·06	HF												8
9	·22	F	·23											9
10	·69	F	·13	F										10
11	·24	F												11
12	F	VHF	F	Sn										12
13	F	VHF		·21 Sn		·07								13
14	VHF	F		·14		·08								14
15	VHF	F		·06		·22								15
16	F Sn	HF	·13	·04		·10								16
17	VHF	F		FSn										17
18	FSn"	·13		F	·02									18
19	VHF	·10		FSn	·11									19
20	·15 FSn"	·30		F										20
21	F	·13	·20	FSn		·15								21
22	FSn"	·13	·05	F		1·34								22
23	·25 F	·49		F										23
24	·53	·36 Sn												24
25	·45		·04	·10	·29									25
26	·00			·15										26
27	·05	·13												27
28	·21				F									28
29	·20	·43			·02									29
30	·04	×	·26		·14 F	1·22								30
31	·02 ·04	× ·13	·10	×	·01 F	×			×		×			31
TOTAL	~~3·44~~ 3·28	~~2·55~~ 2·64	~~1·46~~ 1·49	~~·70~~ ·60	~~·59~~ ·60	3·62						½	Year's Total. 12·37	imp
* Days with .01 in. or more.	19	11	12	~~6~~ 5	~~6~~ 7	~~9~~ 8							63	
* Days with .04 in. or more.	14	11	11	~~6~~ 5	4	9							53	

Moved to Scotland

40-9999

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(*Signed*) Archd Guthrie-Smith

[P.T.O.

3615

Section **A** for the entry of Daily Observati

AIR MINISTRY.—METEOROLO

COPY FOR OFFICIAL USE.

AINFALL ORGANIZATION.

FORM 1090.

3615

WIGTON - BROOKFIELD
FRIENDS SCHOOL
1931 - 1940

REGISTER OF 1931.

Kept at Friends' School, W

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft — in.
,, Ground ,, Sea Level 124 ~~175~~ ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	-	-	-	·12	tr	tr	·12	-	-	·24	tr	-	1
2	-	·06	tr	·11	-	1·00	·02	-	·69	·15	·33	·45	2
3	-	-	tr	-	-	·08	·28	-	tr	tr	1·40	·30	3
4	-	·02	-	·01	-	-	-	-	·26	·13	·05	·09	4
5	-	·06	-	-	·08	·92	·03	·06	·12	tr	tr	1·00	5
6	-	·48	tr	-	-	·49	1·28	-	·01	·48	-	tr	6
7	-	·49	-	- ·02	-	·18	-	·12	·03	·32	·32	·22	7
8	·14	·11	-	-	·02	·03	·90	·09	-	·11	·18	·02	8
9	·03	·14	·04	·01	·08	·10	-	·34	-	·90	·36	tr	9
10	·02	·13	-	-	·45	·14	-	-	-	tr	·13	tr	10
11	·31	·22	- ·01	·13	-	-	·23	-	-	·13	·25	·08	11
12	-	tr	·61	tr	-	·02	·10	-	·20	·04	·01	tr	12
13	-	-	·10	-	·03	·07	·01	-	-	tr	·04	·03	13
14	·05	·02	·02	-	-	1·42	·40	·08	-	-	·34	·05	14
15	·01	·14	-	·11	-	·15	-	·07	·01	-	-	tr	15
16	·12	·03	-	·20	-	·55	·11	·76	·01	tr	tr	tr	16
17	-	·02	-	·06	·04	~~tr~~ ·02	·64	·38	·13	tr	·28	-	17
18	·15	-	-	-	-	·15	·02	·01	tr	·01	·44	tr	18
19	·06	·24	-	-	-	·06	·19	·86	tr	-	tr	tr	19
20	-	·19	·05	-	-	-	-	tr	·02	-	·40	·01	20
21	·14	·03	tr	·02	·02	·04	tr	·26	-	-	·15	-	21
22	·43	·12	-	·08	·14	·12	·24	-	-	-	·04	·78	22
23	·45	-	-	·07	tr	·38	tr	-	-	·02	·23	-	23
24	·22	·09	-	·03	·36	tr	·01	-	-	·41	·25	·04	24
25	·15	·09	-	·35	-	-	-	-	-	tr	-	tr	25
26	-	-	-	·01	-	-	-	-	-	·41	-	-	26
27	·10	·03	-	·08	-	·08	·39	-	-	tr	-	·12	27
28	·32	·14	-	·05	·28	-	·16	-	tr	-	tr	·16	28
29	·05	X	-	-	tr	-	·55	-	-	-	·12	-	29
30	-	X	-	·03	·22	-	·02	-	·04	tr ·02	-	-	30
31	·05	X	-	X	tr	X	·02	-	X	·14	X	·16	31
TOTAL	2·80	2·94	·83	1·4~~8~~9	1·78	6·00	6·02	3·06	1·52	3·57	5·3~~7~~8	3·45	YEAR'S TOTAL 38·8~~2~~4
*Days with ·01 in. or more.	~~18~~	~~21~~	~~6~~	~~18~~	~~11~~	~~20~~	~~20~~	~~11~~	~~11~~	~~15~~	~~19~~	~~15~~	~~185~~
*Days with ·04 in. or more.	~~15~~	~~15~~	~~4~~	~~11~~	~~8~~	~~17~~	~~13~~	~~10~~	~~6~~	~~12~~	~~18~~	~~12~~	~~141~~

40-9999

*See Instruction 2 (*f*) on other side.

(*Signed*) David W. Reed, B. Sc.

[P.T.O.

3615

Section A for the entry of Daily Observati | COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1931.

Kept at Friends' School, Wigton

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft - in.

,, Ground ,, Sea Level 124 ~~[illegible]~~ ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	-	-	-	·12	tr	tr	·12	-	-	·24	tr	-	1
2	-	·06	tr	·11	-	1·00	·02	-	·69	·15	·33	·45	2
3	-	-	tr	-	-	·08	·28	-	tr	tr	1·40	·30	3
4	-	·02	-	·01	-	-	-	-	·26	·13	·05	·09	4
5	-	·06	-	-	·08	·92	·03	·06	·12	tr	tr	1·00	5
6	-	·48	tr	-	-	·49	1·28	-	·01	·48	-	tr	6
7	-	·49	-	- ·02	-	·18	-	·12	·03	·32	·32	·22	7
8	·14	·11	-	-	·02	·03	·90	·09	-	·11	·18	·02	8
9	·03	·14	·04	·01	·08	·10	-	·34	-	·90	·06	tr	9
10	·02	·13	-	-	·45	·14	-	-	-	tr	·13	tr	10
11	·31	·22	- ·01	·13	-	-	·23	-	-	·13	·25	·08	11
12	-	tr	·61	tr	-	·02	·10	-	·20	·04	·01	tr	12
13	-	-	·10	-	·03	·07	·01	-	-	tr	·04	·03	13
14	·05	·02	·02	-	-	1·42	·40	·08	-	-	·34	·05	14
15	·01	·14	-	·11	-	·15	-	·07	·01	-	-	tr	15
16	·12	·03	-	·20	-	·55	·11	·76	·01	tr	tr	tr	16
17	-	·02	-	·06	·04	·02	·64	·38	·13	tr	·28	-	17
18	·15	-	-	-	-	·15	·02	·01	tr	·01	·44	tr	18
19	·06	·24	-	-	-	·06	·19	·86	tr	-	tr	tr	19
20	-	·19	·05	-	-	-	-	tr	·02	-	·40	·01	20
21	·14	·03	tr	·02	·02	·04	tr	·26	-	-	·15	-	21
22	·43	·12	-	·08	·14	·12	·24	-	-	-	·04	·78	22
23	·45	-	-	·04	tr	·38	tr	-	-	·02	·23	-	23
24	·22	·09	-	·03	·36	tr	·01	-	-	·41	·25	·04	24
25	·15	·09	-	·35	-	-	-	-	-	tr	-	tr	25
26	-	-	-	·01	-	-	-	-	-	·41	-	-	26
27	·10	·03	-	·08	-	·08	·39	-	-	tr	-	·12	27
28	·32	·14	-	·05	·28	-	·16	-	tr	-	tr	·10	28
29	·05	×	-	-	tr	-	·55	-	-	-	·12	-	29
30	-	×	-	·03	·22	-	·02	-	·04	tr ·02	-	-	30
31	·05	×	-	×	tr	×	·02	-	×	·14	×	·16	31
TOTAL	2·80	2·94	·83	1·4~~8~~9	1·78	6·00	6·02	3·06	1·52	3·57	5·3~~7~~8	3·45	YEAR'S TOTAL 38·8~~2~~4
*Days with ·01 in. or more.	~~18~~	~~21~~	~~6~~	~~18~~	~~11~~	~~20~~	~~20~~	~~11~~	~~11~~	~~15~~	~~19~~	~~15~~	~~185~~
*Days with ·04 in. or more.	~~15~~	~~15~~	~~4~~	~~11~~	~~8~~	~~17~~	~~13~~	~~10~~	~~6~~	~~12~~	~~18~~	~~12~~	~~141~~

40-9999

(Signed) David W. Reed, B. Sc.

P.T.O.

*See Instruction 2 (*f*) on other side.

3615

Section **A** for the entry of Daily Observations. FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

Kept at Brookfield (Friends' School) Wigton

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. – in.

„ Ground „ Sea Level 124 ft.

Corrected Record sent by observer in reply to our Circ D2 of 1/6/33

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·27	·04	-	·10	-	-	·01	·16	·57	·07	·25	·53	1
2	·43	tr	-	·10	·12	-	·28	tr	·51	·13	·20	·29	2
3	·16	·01	-	-	-	-	·23	·02	·09	tr	·09	·25	3
4	·18	tr	·02	-	-	-	·26	·06	·02	tr	ice	·12	4
5	·31	tr	·48	-	tr	-	-	tr	·31	·03	ice	-	5
6	·20	-	·13	-	tr	-	-	-	·17	·11	-	-	6
7	·02	-	·22	·01	·03	tr	-	-	·03	·25	tr	-	7
8	·64	-	tr	·28	·18	-	-	-	·38	·14	tr	-	8
9	·05	-	·01	·09	·02	-	-	-	·14	·67	-	-	9
10	·06	-	tr	·09	-	-	-	-	·70	·36	-	-	10
11	·23	-	-	·80	·39	-	·26	-	tr	·21	-	-	11
12	·11	tr	tr	·13	·29	tr	·95	·37	·11	·08	-	-	12
13	·39	tr	tr	·03	·43	-	·43	·20	·80	·37	-	·11	13
14	·37	-	·61	-	·02	·10	-	-	tr	·08	tr	·10	14
15	·57	-	-	·14	·37	-	tr	-	-	·04	·11	·10	15
16	tr	-	-	·09	-	-	tr	-	-	·05	tr	1·40	16
17	tr	-	-	·02	-	-	·13	·50	-	·09	-	·60	17
18	-	-	-	-	·06	-	-	tr	tr	·44	-	·20	18
19	tr	-	·16	-	·02	-	·03	-	tr	·04	-	·15	19
20	·17	-	·04	-	tr	-	tr	·85	tr	·06	·10	tr	20
21	-	tr	·70	·24	-	-	-	·13	tr	·77	·05	·04	21
22	tr	tr	·16	·23	-	-	·11	-	-	·16	·76	·03	22
23	·07	tr	tr	·31	-	-	·70	-	tr	·15	·31	tr	23
24	-	tr	tr	·17	·02	tr	·16	-	·27	tr	-	-	24
25	tr	tr	-	-	·27	·02	·12	-	·08	·30	·24	-	25
26	tr	tr	-	tr	-	·60	·53	tr	·25	·01	·13	-	26
27	tr	tr	·47	·04	·05	-	·54	·04	tr	-	-	·05	27
28	tr	-	·02	-	·35	·04	·70	-	-	tr ice	-	tr	28
29	·02	-	·98	·05	·06	·04	·62	·02	tr	·33	·40	·08	29
30	tr	X	·39	·14	-	·28	·15	·31	·33	·05	·15	-	30
31	tr	X	tr	X	-	X	tr	·02	X	tr	X	·06	31
TOTAL	4·25	·05	4·39	3·06	2·68	1·08	6·21	2·68	4·76	4·99	2·79	4·11	YEAR'S TOTAL 41·05
*Days with ·01 in. or more.	~~18~~	~~2~~	~~14~~	~~19~~	~~16~~	~~6~~	~~18~~	~~12~~	~~16~~	~~25~~	~~12~~	~~16~~	~~174~~
*Days with ·04 in. or more.	~~16~~	~~1~~	~~11~~	~~16~~	~~11~~	~~5~~	~~16~~	~~9~~	~~14~~	~~23~~	~~12~~	~~15~~	~~149~~

40-9999

(*Signed*) David W. Reed, B.Sc. [P.T.O.

*See Instruction 2 (*f*) on other side.

COPY FOR OFFICIAL USE.

Section **A** **for the entry of Daily Observations.** **Station No** 3615

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

Kept at ~~Brookfield~~ Friends School, Wigton
in the County of Cumberland
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft 0 in.
,, Ground ,, Sea Level 124 ft.

Circ D² sent 1/6/33. [illegible]

see attached corrected version

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·24	·04	-	·10	-	-	·01	·16	·57	·13	·25	·53	1
2	·43	tr	-	·10	·12	-	·28	tr	·51	tr	·20	·29	2
3	·16	·01	-	-	-	-	·23	-	·69	tr	·09	·25	3
4	·18	tr	·02	-	-	-	·26	-	·02	·03	(ice)	(ice)	4
5	·31	tr	·48	-	tr	-	-	·02	·31	·11	(ice)	·12	5
6	-	-	·13	-	tr	-	-	·06	·14	·25	-	-	6
7	·02	-	·22	·01	·03	tr	-	-	·03	·14	tr	-	7
8	·64	-	tr	·28	·18	-	-	-	·38	·64	tr	-	8
9	·05	-	·01	·09	·02	-	-	-	·24	·36	-	-	9
10	·06	-	tr	·09	-	-	-	-	·40	·21	-	-	10
11	·23	-	-	·80	·39	-	·26	-	-	·08	-	-	11
12	·11	tr	tr	·13	·29	tr	·95	·34	·01	·34	-	-	12
13	·39	tr	tr	·03	·43	- ·10	·43	·20	·80	·08	-	·11	13
14	·34	-	·61	-	·02	-	-	-	tr	·04	tr	·10	14
15	·54	-	-	·14	·34	-	tr	-	-	·05	·11	·10	15
16	tr	-	-	·09	-	-	tr	-	-	·09	tr	1·40	16
17	tr	-	-	·02	-	-	·13	·50	-	·44	-	·60	17
18	-	-	-	-	·06	-	-	tr	tr	·04	-	·20	18
19	tr	-	·16	-	·02	-	tr	-	tr	·04	-	·15	19
20	·14	-	·04	-	tr	-	-	·85	tr	·06	·10	tr	20
21	-	tr	·40	·24	-	-	·11	tr	tr	·44	·05	·04	21
22	tr	tr	·16	·23	-	-	·40	·13	-	·16	·16	·03	22
23	·04	tr	tr	·31	-	-	tr	-	tr	·15	·31	tr	23
24	-	tr	tr	·14	·02	tr	·16	-	·24	tr	-	-	24
25	tr	tr	-	-	·04	·02	·12	-	·08	·30	·24	-	25
26	tr	tr	-	tr	-	·60	·53	tr	·25	·01	·13	-	26
27	tr	tr	·44	·04	·25	-	·54	·04	tr	-	-	·05	27
28	tr	-	·02	-	·35	·04	·40	-	-	(ice)	-	-	28
29	·02	-	·98	·05	·06	·04	·62	·02	tr	·33	·48	·08	29
30	tr	×	·39	·14	-	·28	·15	·31	·33	·05	·15	-	30
31	tr	×	tr	×	-	×	·03	·02	×	tr	×	·06	31
TOTAL	0 4·85	·05	4·39 ~~3·49~~	3·06	✓ 2·68	✓ 1·08	✓ 6·21	2·68	5·36 ~~[illegible]~~	49·9 ~~[illegible]~~	9 2·1~~2~~	✓ 4·11	YEAR'S TOTAL 40·88 ~~[illegible]~~"
*Days with ·01 in. or more.	11	2	14	19	16	6	18	12	16	25	12	16	173
*Days with .04 in. or more.	15	1	11	16	11	5	16	9	13	23	12	15	147

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*See Instruction 2 (*f*) on other side.

(*Signed*) David W. Reed, B. Sc.

P.T.O.

COPY FOR OFFICIAL USE.

Section **A.** for the entry of Daily Observations. Station No. 3615

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Kept at Brookfield

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. - in.

,, Ground ,, Sea Level 124 ft.

Fall entered to Feb. 1st is wrong day.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in	in.	in.	in.		
1	·08	~~1·25~~	-	-	-	-	-	-	-	-	·25	·01		1
2	·85	·09	-	-	-	·69	-	-	-	-	tr.	tr.		2
3	·18	tr.	·02	-	·19	-	-	tr.	-	tr.	·01	-		3
4	·62	tr.	·29	·12	·15	-	-	-	-	-	tr.	-		4
5	·02	·96	·23	-	·08	-	-	-	-	-	·05	-		5
6	-	·30	·01	-	tr.	-	-	-	-	-	-	·04		6
7	·05	·19	·02	-	·43	-	·66	-	-	·43	-	·01		7
8	·12	·08	·10	·43	tr.	-	·03	-	-	·64	-	-		8
9	-	·47	-	tr.	·17	tr.	·27	-	-	·56	-	·01		9
10	·22	-	·08	-	-	·12	·01	-	-	·10	-	·05		10
11	-	·01	-	·04	-	-	·16	-	-	·10	-	·06		11
12	-	-	-	-	-	-	·32	-	-	·05	·13	-		12
13	·07	-	·10	-	-	-	·15	·15	·01	·10	·20	tr.		13
14	·63	-	tr.	-	·13	-	·08	·09	-	tr.	·07	tr.		14
15	-	-	·18	-	-	·15	tr.	·02	-	·32	·03	-		15
16	·05	-	·16	-	·16	·13	-	·07	-	·02	-	·02		16
17	-	-	·38	-	·11	·41	tr.	·15	·04	tr.	·03	tr.		17
18	-	-	·06	-	·45	·40	tr.	·12	-	-	·06	·04		18
19	-	-	·05	-	·07	·08	tr.	·07	·20	-	·14	-		19
20	-	-	-	-	·31	·05	-	·12	·04	·01	·01	-		20
21	-	-	-	-	-	-	-	-	·06	tr.	·01	-		21
22	-	-	-	-	·27	-	-	·09	·48	·13	·01	-		22
23	-	-	-	·02	·06	-	-	-	-	·02	tr.	-		23
24	-	·12	-	·25	·04	·17	·12	-	·20	-	-	·11		24
25	-	·26	-	·02	·16	-	-	-	·03	-	tr.	·03		25
26	-	·87	-	·09	-	-	-	-	·28	-	·01	-		26
27	-	·19	-	·05	-	-	·36	·63	tr.	tr.	-	-		27
28	-	-	-	tr.	-	-	·40	-	tr.	·22	·01	-		28
29	-	×	-	-	-	-	·14	-	-	·08	-	·02		29
30	- ·10	×	-	-	-	·01	·55	-	-	·08	-	·10		30
31	1·25	×	-	×	-	×	-	·31	×	·01	×	·10		31
TOTAL	~~2·99~~ 4·24	~~3·79~~ 3·54	1·68	1·02	2·78	2·21	3·25	1·82	1·34	2·87	1·02	·60	Year's Total 26·37	
*Days with ·01 in. or more.	~~12~~	~~12~~	~~13~~	~~8~~	~~15~~	~~10~~	~~13~~	~~11~~	~~9~~	~~16~~	~~15~~	~~13~~	~~147~~	
*Days with .04 in. or more.	~~11~~	~~11~~	~~10~~	~~6~~	~~15~~	~~9~~	~~11~~	~~10~~	~~7~~	~~12~~	~~7~~	~~7~~	~~116~~	

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*See Instruction 2 (*f*) on other side.

† Spare column, no entries required.

(*Signed*) David W. Reed, B. Sc.

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 3615

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

Kept at Friends' School, Wigton

in the County of (Brookfield) Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft 0 in.

,, Ground ,, Sea Level 124 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·30	—	·10	—	·03	—	—	—	·02	—	—	·06		1
2	—	tr	·22	—	—	—	—	·05	·16	·03	·16	·56		2
3	·60	tr	tr	—	—	—	—	·28	—	·12	·13	·23		3
4	·47	tr	·04	—	—	—	—	·04	·06	·18	—	1·12		4
5	—	tr	·15	·06	·25	—	—	—	—	·05	—	·07		5
6	·33	—	·02	—	·38	·02	—	·05	·04	·27	—	·13		6
7	·59	·08	·03	·12	tr	·02	—	·14	—	·10	—	·11		7
8	—	tr	tr	·08	·09	·02	—	—	·07	·36	—	·14		8
9	·13	tr	·10	—	—	—	—	·14	·06	·20	·05	·15		9
10	·03	—	·12	·41	—	—	—	·19	·11	·01	·10	—		10
11	tr	—	·18	·15	tr	—	·03	·50	·01	·03	·10	·04		11
12	·26	—	·01	·25	tr	—	·26	·08	—	·02	—	·10		12
13	·14	tr	—	·70	·06	—	—	·17	—	·15	—	—		13
14	·28	tr	·24	—	·01	·09	·03	·01	—	·21	·01	·01		14
15	·04	tr	·04	·02	·71	tr	tr	—	·10	·01	—	·02		15
16	·49	tr	—	·01	·06	—	—	·07	—	·03	·02	—		16
17	·19	tr	·15	—	·11	—	·25	—	·23	·01	—	·20		17
18	1·18	—	·34	·17	·15	·41	tr	—	·06	·01	—	·38		18
19	tr	—	·07	·13	·39	·21	tr	·20	·02	·18	·06	·04		19
20	—	—	·04	·11	·41	·05	tr	·04	·05	·13	·02	—		20
21	—	—	tr	·26	·04	·56	·05	·30	·09	·11	·01	—		21
22	·02	—	·09	tr	—	·81	·18	·47	·24	·13	·01	—		22
23	—	—	·05	·06	—	tr	·19	·12	—	·62	·09	—		23
24	—	·13	·11	·36	·20	·04	·02	·02	·20	·69	·01	—		24
25	·04	tr	tr	·12	tr	—	·07	—	·17	·38	—	·14		25
26	·04	—	·03	·05	—	·43	—	—	·28	·28	·01	·08		26
27	—	—	tr	·03	—	·34	—	—	·01	·37	—	·03		27
28	—	—	—	·04	—	·31	—	·10	—	·06	·01	·37		28
29	tr	×	—	tr	—	tr	·22	·47	·12	·07	—	·05		29
30	·26	×	—	—	—	—	·28	·09	·92	·15	—	·14		30
31	·01	×	—	×	—	×	—	·05	×	—	×	·15		31
TOTAL	5·40	·21	2·13	3·13	2·89	3·34	1·58	3·58	3·02	4·96	·79	4·32	Year's Total. 35·35	
* Days with .01 in. or more.	19	2	20	19	14	13	11	22	21	29	15	23	208	
* Days with .04 in. or more.	16	2	11	16	12	10	8	20	17	21	7	20	165	

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* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(Signed) David W. Reed

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3615

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at Friends' School (Brookfield) Wigton

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft – in.

,, Ground ,, Sea Level 124 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·57	·10	·06	–	–	–	·25	–	·81	·01	·02	·30		1
2	–	·07	tr	–	–	·13	·07	–	·12	·31	·14	·01		2
3	·02	·38	·05	tr	–	·07	·05	–	–	–	·08	·04		3
4	–	·05	·09	·03	–	·35	·11	–	–	·11	–	·02		4
5	–	·31	·04	–	–	·06	·08	–	·03	·07	·10	·05		5
6	–	–	tr	–	–	·05	–	–	–	·01	·06	–		6
7	–	–	–	·08	–	·34	–	–	–	·63	·01	·13		7
8	–	tr	–	·18	–	·25	–	–	–	·31	tr	·09		8
9	·03	·01	–	·45	–	–	–	–	–	·76	·03	–		9
10	·11	·32	–	·06	–	·39	–	–	–	·09	·15	–		10
11	·42	·09	–	·01	–	·08	–	·27	–	·07	·07	–		11
12	–	·18	–	–	–	·06	–	–	·07	·23	·07	–		12
13	·12	·29	–	–	·34	·11	tr	–	·12	·10	·02	–		13
14	–	tr	–	·53	–	·02	·07	–	·03	–	·28	·11		14
15	–	·39	–	·32	·15	tr	–	·01	·41	·31	·16	·17		15
16	–	·88	·06	1·18	·22	·24	·12	·30	·25	tr	·12	–		16
17	–	tr	–	·14	tr	·02	·07	·01	·11	·18	·72	–		17
18	·01	·15	–	tr	–	·06	·08	·63	·34	·34	tr	–		18
19	–	·42	–	·05	–	·12	·42	–	·07	·21	·07	–		19
20	–	·57	–	·11	–	·02	tr	–	–	–	·01	–		20
21	–	·04	·24	tr	–	–	·01	–	·08	·23	–	–		21
22	tr	·12	·07	·11	–	–	–	–	–	–	–	–		22
23	·03	·08	·06	·38	–	1·02	–	·13	–	·44	–	–		23
24	·35	·24	·09	·05	–	–	–	–	·33	·09	·01	·17		24
25	·39	–	tr	tr	–	–	–	·02	–	·02	·32	·03		25
26	–	tr	–	tr	–	·35	–	·15	·18	·17	·05	·13		26
27	–	·05	–	tr	–	·04	·25	–	·06	·26	·37	·05		27
28	·04	tr	–	tr	–	–	–	·19	·07	·36	·13	·08		28
29	tr	×	·23	tr	–	·04	–	·09	·35	·34	·55	·05		29
30	tr	×	tr	tr	–	·24	–	·17	·46	·46	·61	·08		30
31	·09	×	tr	×	–	×	–	–	×	·07	×	–		31
TOTAL	2·18	4·74	·99	3·68	·71	4·06	1·58	1·97	3·89	6·18	4·15	1·51	Year's Total. 35·64	
* Days with .01 in. or more.	~~12~~	~~20~~	~~10~~	~~15~~	~~3~~	~~22~~	~~12~~	~~11~~	~~18~~	~~26~~	~~24~~	~~16~~	~~189~~	
* Days with .04 in. or more.	~~8~~	~~19~~	~~10~~	~~13~~	~~3~~	~~19~~	~~11~~	~~8~~	~~16~~	~~23~~	~~18~~	~~13~~	~~161~~	

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* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(*Signed*) David W. Reed, B.Sc.

P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3615

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1936.

Kept at Brookfield (Friends' School)
in the County of Wigton Cumberland
Diameter of Funnel of Gauge 5 in.
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THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·64	·25	Tr.	—	— ~~·09~~	·04	·20	·17	·16	—	·10	—		1
2	—	Tr.	—	—	—	·05	·30	·08	·16	—	·17	·05		2
3	—	—	—	—	—	Tr.	—	—	·26	—	Tr.	·08		3
4	—	—	·12	—	—	·01	·20	·09	·43	—	·24	·40		4
5	·04	—	·14	—	—	·06	—	·17	·07	—	·12	·18		5
6	·05	Tr.	·05	·01	—	Tr.	·37	·19	·49	—	Tr.	—		6
7	—	—	·05	—	—	—	·51	—	·15	—	·31	·17		7
8	·09	—	·16	—	—	—	—	—	—	Tr	·06	—		8
9	·70	—	·20	—	—	—	·25	Tr.	·39	·07	·24	—		9
10	·13	—	—	—	—	—	·67	Tr.	—	·01	·23	·02		10
11	—	—	—	·01	—	·11	—	·12	·03	—	·25	·31		11
12	·01	—	—	·05	Tr.	—	—	—	·49	—	Tr.	·08		12
13	—	—	—	·13	·03	—	—	Tr	·07	·18	·43	·94		13
14	—	—	·10	·01	—	·48	—	·01	·27	—	·20	·53		14
15	·04	—	—	·01	·03	·15	—	—	—	·03	·45	·24		15
16	—	—	—	·06	·06	·23	—	—	—	·20	·20	—		16
17	·15	·16	—	—	·02	·03	—	·12	—	·30	—			17
18	—	·28	—	·08	·07	—	·31	·25	—	·37	—	—		18
19	—	·21	Tr.	—	—	—	·04	·05	—	·10	—	·13		19
20	·17	·17	·20	—	—	—	·16	Tr.	—	·04	—	—		20
21	·10	·20	—	—	—	·08	·06	—	—	·01	—	·20		21
22	·12	·39	—	—	—	·27	·20	—	—	·02	—	—		22
23	Tr.	·36	·10	·03	—	—	·32	—	—	·10	—	—		23
24	Tr.	—	—	·22	·65	—	·60	—	1·25	·91	·02	—		24
25	·36	Tr.	—	·03	—	—	·12	—	·43	·30	—	—		25
26	·03	·04	·11	·01	—	—	Tr	—	·04	·23	—	—		26
27	·13	—	—	—	—	—	·04	—		·36	—	—		27
28	·08	·09	·02	·01	—	·05	—	—	Tr.	Tr.	·05	—		28
29	Tr.	—	·28	—	·34	·51	·05	—	—	·61	·02	·03		29
30	Tr.	✕	—	—	—	·12	·44	—	—	·14	·11	·16		30
31	·06	✕	·09	✕	·02	✕	·02	—	✕	Tr	✕	·36		31
TOTAL	2·92	2·14	1·62	·66	1·22	2·22	4·86	1·25	4·69	4·01	2·90	3·88	Year's Total 32·37	
* Days with .01 in. or more.	17	10	13	13	8	14	19	10	15	18	17	16	170	
* Days with .04 in. or more.	15	10	12	5	4	12	18	9	14	14	15	14	142	

40-9999.

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(*Signed*) David W. Reed, B.Sc. [P.T.O.

COPY FOR OFFICIAL USE

Section A for the entry of Daily Observations

Station No. 3615

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1937

Kept at Friends' School, Brookfield, Wigton

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. – in.

,, Ground ,, Sea Level 124 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ✓

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·06	·02	·02	–	–	–	·04	–	·33	·15	–	·05		1
2	·05	·47	·01	·21	–	·14	·01	–	·06	·02	–	·02		2
3	·05	·56	·16	–	–	·20	·03	–	tr	–	–	–		3
4	·41	–	·01	·12	·10	–	·14	·01	·65	–	–	·43		4
5	·50	·01	tr	·08	·01	·21	·15	–	·41	–	–	·12		5
6	·09	–	tr	·08	·10	·19	·17	·10	·04	–	–	–		6
7	·07	·27	tr	·19	–	tr	·01	–	·04	–	·02	·04		7
8	tr	·26	·01	·06	–	–	·17	–	–	–	–	–		8
9	–	·06	–	–	·16	·14	·06	·10	–	–	–	–		9
10	–	·16	–	–	·10	·03	·01	–	–	–	–	·40		10
11	·03	–	·30	–	–	–	–	–	–	–	–	·15		11
12	·63	·08	·17	·03	·03	·06	–	·08	·10	tr	–	·15		12
13	tr	·19	tr	–	–	·09	·04	·10	tr	·02	–	·40		13
14	–	·05	–	–	–	–	–	1·10	·41	tr	–	·11		14
15	·04	·61	·06	·05	–	–	·30	–	·35	tr	·01	–		15
16	·07	·28	·24	·37	–	–	tr	·15	–	–	–	–		16
17	·11	·04	·06	·14	–	–	–	·01	·16	–	–	–		17
18	–	·05	·03	–	–	·01	–	·19	–	–	·22	–		18
19	·68	·28	·07	·16	·03	·06	–	·02	·08	–	·32	–		19
20	·23	·09	–	·01	·60	·12	–	–	–	·09	·04	·03		20
21	·28	·03	·21	·11	·16	–	·47	–	–	·15	·02	·02		21
22	·18	–	·02	·01	·22	–	tr	–	–	·08	·04	·16		22
23	·03	–	·06	–	·06	–	·54	–	·10	1·19	–	·04		23
24	·15	·08	·07	–	tr	–	·06	–	·24	·20	·02	·03		24
25	·03	·33	–	–	–	–	–	·09	–	·12	tr	tr		25
26	–	·20	–	tr	·30	–	–	–	–	·17	tr	·02		26
27	tr	·44	–	·10	–	tr	·01	–	·13	·44	–	·03		27
28	tr	–	–	–	–	·13	–	–	–	·04	tr	–		28
29	–	✕	–	–	–	·02	–	–	·01	·08	·06	–		29
30	·14	✕	–	–	–	·02	–	·03	·28	·14	·26	–		30
31	·20	✕	–	✕	tr	✕	–	·30	✕	·06	✕	–		31
TOTAL	4·03	4·56	1·50	1·72	1·87	1·42	2·21	2·28	3·39	2·95	1·01	2·20	Year's Total 29·14 ✓ ✓	
* Days with .01 in. or more.	~~21~~	~~22~~	~~16~~	~~15~~	~~12~~	~~14~~	~~16~~	~~13~~	~~16~~	~~15~~	~~10~~	~~17~~	~~187~~ ✓ ✓	
* Days with .04 in. or more.	~~18~~	~~19~~	~~10~~	~~12~~	~~9~~	~~10~~	~~11~~	~~9~~	~~15~~	~~13~~	~~6~~	~~11~~	~~143~~ ✓ ✓	

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) David W. Reed, B.Sc. [P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3615

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090 (Brookfield)

REGISTER OF RAINFALL IN 1938

Kept at Friends' School, Wigton

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. - in.

,, Ground ,, Sea Level 124 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	-	·03	·04	·02	-	·99	-	-	-	·10	·04	·39		1
2	-	·03	-	·40	-	·05	-	-	·09	·12	·13	·13		2
3	-	Tr.	-	·02	-	·03	·35	-	·26	1·28	·21	·23		3
4	·02	·03	-	·05	-	·09	·05	-	·28	·63	·02	·95		4
5	-	Tr.	-	-	-	·04	·56	-	·02	·18	-	·01		5
6	·26	·08	-	Tr.	-	·15	·01	·05	·18	·69	·01	Tr.		6
7	·04	Tr.	-	-	-	Tr.	·58	·10	-	·27	·25	-		7
8	·01	·12	-	-	-	·03	·16	·18	-	·46	·92	·13		8
9	·16	·21	-	-	·04	·15	·01	-	-	·10	-	·15		9
10	·05	-	-	-	-	·05	·35	-	-	·04	-	·08		10
11	·11	·02	-	-	·03	·02	·15	Tr.	Tr.	·12	·03	·09		11
12	·15	-	-	-	·14	-	·03	·05	-	·99	1·12	·04		12
13	·07	-	-	-	·05	-	·55	Tr.	·04	·10	·20	·21		13
14	·30	-	-	-	·07	-	-	-	-	·04	-	-		14
15	·24	-	·36	-	·25	-	-	·62	-	·40	-	·01		15
16	·23	-	·05	-	·65	-	-	·10	·23	·27	·03	Tr.		16
17	·01	-	·03	-	·05	-	·02	·33	·43	·47	·03	·04		17
18	·04	-	·47	-	Tr.	·09	-	·26	·71	·37	·50	-		18
19	·01	-	·81	-	-	-	Tr.	·82	·04	Tr.	·10	Tr.		19
20	·43	-	·03	-	-	-	-	·33	·06	-	-	-		20
21	-	-	Tr.	-	-	-	-	·12	·04	·12	·59	-		21
22	Tr.	Tr.	Tr.	-	·07	-	-	-	-	Tr.	·18	-		22
23	·03	-	·09	-	·25	·42	-	·01	·05	-	·65	-		23
24	·32	·01	·03	-	Tr.	·19	-	·02	·29	·29	·40	-		24
25	·03	·16	·19	-	·30	Tr.	·89	-	Tr.	·18	·20	·14		25
26	·09	·07	Tr.	-	·10	·38	·04	- ~~·12~~	-	·34	-	-		26
27	·20	·05	·02	-	·27	·40	·30	·12	-	·05	·43	-		27
28	·36	·08	Tr.	-	·50	·82	·04	- ~~Tr.~~	-	-	·10	-		28
29	·13	X	Tr.	-	·15	·08	1·38	Tr.	·02	·12	·17	·17		29
30	·07		Tr.	-	·01	·43	·27	-	·10	·05	·42	·04		30
31	·17		Tr.		·26		-	-		·59		·41		31
TOTAL	3·53	·89	2·12	·49	3·19	4·41	5·74	3·11	2·84	3 8·~~2~~7	6·73	3·22	Year's Total 44·~~5~~64	
* Days with .01 in. or more.	25	12	11	4	17	18	18	14	16	26	23	17	201	
* Days with .04 in. or more.	19	7	7	2	15	15	14	12	13	26	18	15	163 164	

† Spare column, no entries required.

(*Signed*) David W. Reed, B.Sc.

* See Instruction 3 (f) on other side.

[P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3615

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at Friends' School, Wigton

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. – in.

,, Ground ,, Sea Level 124 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·05	–	·31	–	–	–	·07	·09	–	–	–	·27		1
2	–	–	·14	–	–	–	·29	·38	·20	·01	–	·09		2
3	–	–	·05	·02	–	–	tr	·10	·34	–	–	·32		3
4	–	·01	·28	·02	–	–	·11	–	tr	–	tr	·19		4
5	–	·15	·05	–	·02	–	·45	tr	–	tr	·28	tr		5
6	·18	·17	·03	–	–	–	·23	–	–	·25	tr	·17		6
7	·67	·13	·37	–	·02	–	·02	·12	·12	–	·05	·08		7
8	1·80	·71	·18	–	–	–	·05	·04	·10	tr	·23	·31		8
9	·26	·10	tr	·15	–	·01	·07	·47	–	tr	–	·16		9
10	–	tr	–	·01	–	·20	–	·30	·05	·23	·09	·06		10
11	–	·28	–	–	–	·16	–	·05	·64	·26	·05	·34		11
12	·10	·10	–	–		·01	·03	·01	–	·09	tr	tr		12
13	–	·01	–	tr	·15	·02	·50	–	·16	·08	·16	–		13
14	·83	tr	·25	·04	·22	·34	·28	–	tr	·06	·57	–		14
15	·19	·03	·03	·09	tr	·47	·17	–	–	–	·11	·22		15
16	·31	tr	–	·26	–	tr	·19	–	–	·07	·06	tr		16
17	·25	·05	–	·02	tr	·06	·23	–	–	–	·02	–		17
18	·08	·09	·14	–	–	·04	·03	–	–	–	·65	–		18
19	·19	–	–	–	–	·02	1·31	–	–	–	tr	–		19
20	tr	–	·01	–	–	·06	·41	–	–	tr	–	–		20
21	·07	·08	–	–	tr	–	–	·23	–	–	–	–		21
22	·15	·20	·21	·09	–	–	·01	–	·02	–	·52	–		22
23	·01	·23	–	–	–	·01	–	–	–	·04	tr	–		23
24	·02	·20	–	·12	–	tr	–	–	–	·03	·10	–		24
25	–	·09	tr	·06	–	–	–	·04	tr	–	·85	–		25
26	·21	–	·15	·17	–	–	–	·17	–	–	tr	tr		26
27	–	·27	–	·02	–	·33	·05	·49	–	·06	·02	–		27
28	–	·05	·05	–	–	·48	·70	–	–	·03	·37	–		28
29	–	X	·05	·01	–	·14	·24	–	–	tr	·11	–		29
30	–	X	–	–	–	·23	·28	–	–	·10	·67	–		30
31	–	X	–	X	–	X	·17	–	X	tr	X	–		31
TOTAL	5·37	2·95	2·30	1·08	0·41	2·58	5·89	2·49	1·63	1·31	4·85	2·21	Year's Total 33·07	
* Days with .01 in. or more.	~~17~~	~~19~~	~~16~~	~~14~~	~~4~~	~~16~~	~~23~~	~~13~~	~~8~~	~~13~~	~~18~~	~~11~~	~~172~~	
* Days with .04 in. or more.	~~15~~	~~16~~	~~13~~	~~8~~	~~2~~	~~11~~	~~19~~	~~12~~	~~7~~	~~10~~	~~16~~	~~11~~	~~140~~	

† Spare column, no entries required.

(*Signed*) David W. Reed, B.Sc. [P.T.O.

* See Instruction 3 (f) on other side.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3615

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 19~~3~~40

Kept at Friends' School, Wigton

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. - in.

,, Ground ,, Sea Level 124 ft.

Jan & Feb apportioned.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf ✓

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	-	~~·27~~	-	·03	tr	-	·01	-	·02	-	·06	·22		1
2	-	-	-	tr	-	-	·20	-	-	-	·37	·15		2
3	-	·04	·01	·04	-	-	-	-	·03	-	-	·02		3
4	-	·15	-	·02	-	-	·11	·05	-	·08	tr	·16		4
5	-	tr	-	-	·22	-	·05	-	-	·45	·10	·10		5
6	-	·03	-	-	tr	-	·65	·20	·22	·18	·19	·02		6
7	·17	tr	-	·21	·02	-	·26	·09	·03	tr	·01	tr		7
8	-	-	·22	-	-	-	tr	·12	·16	·50	·05	·11		8
9	-	-	·67	-	-	-	·15	·13	-	·35	·26	·10		9
10	-	-	·08	-	-	-	·92	-	·02	·06	·14	·02		10
11	-	-	·65	·02	-	-	·73	-	·28	tr	·48	-		11
12	-	-	1·22	-	-	-	tr	·05	·14	-	tr	-		12
13	-	-	-	-	-	-	·07	·12	·09	-	·07	·02		13
14	-	-	·19	·19	-	-	·47	-	-	-	tr	·08		14
15	-	-	·04	-	·06	tr	tr	-	1·22	·02	·14	tr		15
16	-	-	·01	-	-	-	·20	-	·13	·22	tr	·02		16
17	-	-	·16	-	-	-	·65	·47	·47	·07	·08	-		17
18	-	-	·09	·07	-	-	·25	-	·36	tr	-	·27		18
19	-	·09	·20	·07	-	-	·02	·31	·01	·06	·22	-		19
20	-	·01	·05	·23	-	-	tr	-	·04	·05	·06	-		20
21	-	-	·17	·18	-	·44	tr	tr	·27	·12	-	-		21
22	-	tr	·02	-	·02	·42	-	-	tr	tr	-	-		22
23	·03	·10	·02	·12	·06	-	·22	-	·01	-	·34	-		23
24	·31	·01	-	·01	·24	·01	·06	·02	tr	tr	tr	-		24
25	~~tr~~ ·41	-	-	tr	·23	-	-	·18	·01	-	tr	-		25
26	- ~~·41~~	·05	-	-	·07	·01	·25	-	tr	tr	·12	-		26
27	- ·07	·05	-	-	·01	-	-	-	-	-	tr	-		27
28	-	-	-	-	·30	·45	·05	-	-	-	-	·12		28
29	(~~·22~~) -	-	·25	·01	·27	-	-	-	-	·01	·03	·30		29
30	-	×	tr	-	tr	-	-	-	-	·33	-	·44		30
31	·15 ~~·01~~	×	·29	×	-	×	-	-	×	·20	×	-		31
TOTAL	1·14 ~~·93~~	·53 ~~·74~~	4·34	1·12	1·50	1·33	5·32	1·74	3·51	2·70	2·72	2·15	Year's Total 28·10	
* Days with .01 in. or more.	~~5~~ ~~6~~	~~10~~	~~18~~	~~13~~	~~11~~	~~5~~	~~19~~	~~11~~	~~18~~	~~15~~	~~17~~	~~16~~	~~158~~ 9	
* Days with .04 in. or more.	~~3~~ ~~5~~	~~7~~	~~14~~	~~8~~	~~8~~	~~3~~	~~17~~	~~10~~	~~11~~	~~13~~	~~15~~	~~11~~	~~117~~ 3	

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*) David W. Reed

P.T.O.

3616

Section **A** for the entry of Dail

AIR MINISTRY.—M

FORM 1090.

3616

CUMBERLAND

WREAY VICARAGE
1931 — 40

780703.

FOR OFFICIAL USE.

TISH RAINFALL ORGANIZATION.

REGISTE IN 1931.

Kept at WREAY Vicara

in the County of Cumber

Diameter of Funnel of Gauge 5

Height of top of Gauge above Ground 1 ft 0 in.

,, Ground ,, Sea Level 310 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	—	·01	·01(s)	·04	—	—	·11	(tr)	·36	·02	(tr)	—	1
2	—	·06	—	·27	—	1·08	(tr)	—	·01	·06	·35	·38	2
3	·01(s)	—	—	·01	—	·10	·16	—	·57	·05	1·52	·24	3
4	·01(s)	·07	—	·03	—	—	(tr)	—	·27	·01	·01	·12	4
5	—	·02	tr(s)	—		·45	·08	·03	—	—	—	·69	5
6	—	·30	·05(s)	—	—	·44	·29	(tr)	—	·50	·29	·01	6
7	—	·04	·04(s)	—	—	·50	·01	·22	—	·50	·05	·10	7
8	·09	·08	·04(s)	·02	—	—	·79	·07	—	·10	·09	·03	8
9	·02	·14	·12(s)	·01	·08	·08	(tr)	·48	—	·45	·05	(tr)	9
10	·02	·19	·03(s)	·10	·35	·18	·01	·01	—	—	·15	—	10
11	·30	·38	—	—	·01	·01	·12	(tr)	·15	·09	·18	—	11
12	·04	·02	—	·02	—	·05	·13	—	—	·01	·02	·02	12
13	·04	—	·36	—	·08	·08	(tr)	—	—	—	·05	·01	13
14	·03	·03	·02	·01	—	1·57	·25	·07	—	—	·31	·02	14
15	·01	·20	—	·27	·01	·04	·05	·12	·02	—	(tr)	(tr)	15
16	·14	·07	—	·16	—	(tr)	·26	·67	·15	—	—	—	16
17	·01	·07	—	·08	·02	·11	·40	·17	—	—	·19	—	17
18	·13	—	—	—	—	·53	·06	·10	—	·01	·38	·02	18
19	·06	·05	—	—	—	·05	·06	·41	—	—	·01	·02	19
20	(tr)	·19	—	—	—	·01	—	·12	·05	—	·09	—	20
21	·12	·07	·08	—	·03	(tr)	—	·28	—	—	(tr)	·01	21
22	·13	·08	—	·05	·30	·12	·12	—	—	—	·01	(tr)	22
23	·27	·01	·02	·10	·33	·46	—	—	—	·45	·20	·22	23
24	·06	·03	—	·16	·35	—	·01	—	—	—	·18	—	24
25	·12(s)	·07	—	·25	—	—	(tr)	—	—	—	·05	·03	25
26	·06	(tr)	—	·05	(tr)	—	—	—	—	—	·38	—	26
27	·14	·02	—	·13	—	·13	·32	—	—	·28	·04	—	27
28	·45	·10(s)	—	·07	·35	—	·19	—	—	—	·01	·03	28
29	·07	×	(tr)	—	·06	—	·34	—	—	·48	·07	—	29
30	·03	×	·02	·05	·30	·01	·04	—	·04	·01	·01	—	30
31	·19	×	—	×	·01	×	·50	—	×	·10	×	—	31
TOTAL	2·55	2·30	0·79	1·68	2·28	6·00	4·30	2·75	1·56	2·60	4·69	1·95	YEAR'S TOTAL 33·74
*Days with ·01 in. or more.	25	24	11	20	14	20	22	13	9	16	25	16	215
*Days with ·04 in. or more.	17	19	6	14	9	17	19	11	7	12	19	6	154
		4·85	5·64	7·52	9·80	15·80	20·10	22·85	24·41	27·10	31·79		

40-9999

(Signed) A R Hall [P.T.O.

*See Instruction 2 (*f*) on other side.

3616

Section A for the entry of Dail

FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1931.

Kept at WREAY Vicarage

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

,, Ground ,, Sea Level 310 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	–	·01	·01(s)	·04	–	–	·11	(tr)	·30	·02	(tr)	–	1
2	–	·06	–	·27	–	1·08	(tr)	–	·01	·06	·35	·38	2
3	·01(s)	–	–	·01		·10	·16	–	·57	·05	1·52	·24	3
4	·01(s)	·07	–	·03		–	(tr)	–	·27	·01	·01	·12	4
5	–	·02	tr(s)	–	–	·45	·08	·03	–	–	–	·69	5
6	–	·30	·05(s)	–	–	·44	·29	(tr)	–	·50	·29	·01	6
7	–	·04	·04(s)	–	–	·50	·01	·22	–	·50	·05	·10	7
8	·09	·08	·04(s)	·02		–	·79	·07	–	·10	·09	·03	8
9	·02	·14	·12(s)	·01	·08	·08	(tr)	·48	–	·45	·05	(tr)	9
10	·02	·19	·03(s)	·10	·35	·18	·01	·01	–	–	·15	–	10
11	·30	·38	–	–	·01	·01	·12	(tr)	·15	·09	·18	–	11
12	·04	·02	–	·02	–	·05	·13	–	–	·01	·02	·02	12
13	·04	–	·36	–	·08	·08	(tr)	–	–	–	·05	·01	13
14	·03	·03	·02	·01	–	1·57	·25	·07	–	–	·31	·02	14
15	·01	·20	–	·27	·01	·04	·05	·12	·02	–	(tr)	(tr)	15
16	·14	·07	–	·16	–	(tr)	·26	·67	·15	–	–	–	16
17	·01	·07	–	·08	·02	·11	·40	·17	–	–	·19	–	17
18	·13	–	–	–	–	·53	·06	·10	–	·01	·38	·02	18
19	·06	·05	–	–	–	·05	·06	·41	–	–	·01	·02	19
20	(tr)	·19	–	–	–	·01	–	·12	·05	–	·09	–	20
21	·12	·07	·08	–	·03	(tr)	–	·28	–	–	(tr)	·01	21
22	·13	·08	–	·05	·30	·12	·12	–	–	–	·01	(tr)	22
23	·27	·01	·02	·10	·33	·46	–	–	–	·45	·20	·22	23
24	·06	·03	–	·16	·35	–	·01	–	–	–	·18	–	24
25	·12(s)	·07	–	·25	–	–	(tr)	–	–	–	·05	·03	25
26	·06	(tr)	–	·05	(tr)	–	–	–	–	–	·38	–	26
27	·14	·02	–	·13	–	·13	·32	–	–	·28	·04	–	27
28	·45	·10(s)	–	·07	·35	–	·19	–	–	–	·01	·03	28
29	·07	×	(tr)	–	·06	–	·34	–	–	·48	·07	–	29
30	·03	×	·02	·05	·30	·01	·04	–	·04	·01	·01	–	30
31	·19	×	–	×	·01	×	·50	–	×	·10	×	–	31
TOTAL	2·55	2·30	0·79	1·88	2·28	6·00	4·30	2·75	1·56	2·69	4·69	1·95	YEAR'S TOTAL 33·74
*Days with ·01 in. or more.	25	24	11	20	14	20	22	13	9	16	25	16	215
*Days with ·04 in. or more.	17	19	6	14	9	17	19	11	7	12	19	6	154
40-9999		4·85	5·64	7·52	9·80	15·80	20·10	22·85	24·41	27·10	31·79		

(*Signed*) A R Hall [P.T.O.

*See Instruction 2 (*f*) on other side.

3616

Section A **for the entry of Daily Observations.** **COPY FOR OFFICIAL USE.**

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932. Station Number - 3616

Kept at WREAY Vicarage

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

,, Ground ,, Sea Level 310 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	**Jan.**	**Feb.**	**March**	**April**	**May**	**June**	**July**	**August**	**Sept.**	**Oct.**	**Nov.**	**Dec.**	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·23	—	—	·18(s)	·03	—	·05	·08	·18	·13	·15	·32	1
2	·37	·01	—	—	·02	—	·13	·02	·47	·03	·14	·13	2
3	·18	·01	·03	(tr)	—	—	·09	·06	·16	—	·02	·12	3
4	·16	—	—	—	—	—	·15	·04	·02	·02	(tr)	·07	4
5	·25	—	·35	·02	·01	—	—	·08	·33	—	—	—	5
6	·04	—	·15	·12	(tr)	—	—	—	·27	·14	—	—	6
7	·07	—	·13	·06	·04	—	—	—	·03	·22	—	—	7
8	—	—	—	·05	·02	·02	—	—	·39	·82	—	—	8
9	·45	·02(s)	—	·37	·08	—	—	—	·07	·32	—	—	9
10	·18	·02(s)	·02(s)	·19	·01	—	—	—	·66	·06	—	·02	10
11	·04	·02	·01	·02	·32	·05	·44	·28	·01	·06	—	—	11
12	·12	—	—	—	·45	—	1·14	·23	·03	·25	(tr)	—	12
13	·07	·01	—	·14	·15	—	·08	·03	·95	·03	—	·05	13
14	·25	—	—	—	—	—	(tr)	(tr)	—	(tr)	·05	·10	14
15	·25	—	—	(tr)	·53	—	·01	—	—	·03	·06	·26	15
16	·48	—	—	—	—	—	—	—	—	·15	—	·65	16
17	—	—	—	—	—	—	·19	·04	—	·44	—	·09	17
18	—	—	(tr)	—	·03	—	(tr)	—	—	—	—	—	18
19	—	—	·07	·10	·05	—	·04	(tr)	·11	·10	—	·01	19
20	—	—	·05	·10	·01	—	·02	·59	—	·08	·09	·05	20
21	·11	—	·77	·03	—	—	·15	·08	—	·70	·09	(tr)	21
22	—	·01	·06	·10	(tr)	—	·39	—	—	·12	·49	·08	22
23	—	—	(tr)	·16	·01	—	·12	—	·05	·07	·12	·01	23
24	—	—	—	—	·01	·02	·04	—	·15	·03	·02	(tr)	24
25	—	·03	·01	·02	·08	·02	·02	—	·69	·20	·16	·01	25
26	—	·01	—	—	·02	—	·32	·04	—	·06	·06	—	26
27	—	—	·22	—	(tr)	·63	·59	—	—	·08	·02	·13	27
28	—	—	·04	·04	·40	—	·07	(tr)	—	·02	·01	·01	28
29	—	—	·76	·02	·06	·08	·93	·21	—	·29	·16	·05	29
30	—	×	·25	·08	—	·27	·04	·19	·52	(tr)	·11	(tr)	30
31	—	×	·01	×	—	×	(tr)	·16	×	·02	×	·10	31
TOTAL	3·25	·14	2·93	1·80	2·33	1·09	5·01	2·13	5·09	4·47	1·75	2·26	YEAR'S TOTAL 32·25
*Days with ·01 in. or more.	16	9	16	18	20	7	21	15	18	26	16	19	201
*Days with ·04 in. or more.	16	0	11	13	10	4	18	13	14	19	12	14	144
40-9999		3·39	6·32	8·12	10·45	11·54	16·55	18·68	23·77	28·24	29·99	32·25	

*See Instruction 2 (*f*) on other side.

(Signed) A. R. Hall.

[P.T.O.

3616

Section **A** for the entry of Daily Observations.

COPY FOR OFFICIAL USE.

Station No. 3616

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Kept at Wreay Vicarage
in the County of Cumberland
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft 0 in.
,, Ground ,, Sea Level 310 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·08	·01	·04	(tr)	—	—	—	·02	—	—	·25	—	1
2	·53	(tr)	·02	·01	—	·38	—	·01	—	—	—	—	2
3	·17	·25	·17	—	·16	—	—	—	—	—	·03	—	3
4	·30	·21	·21	·01	·11	—	—	—	·02	—	·02	—	4
5	·13	·13	·13	—	·12	—	—	—	—	—	—	—	5
6	·02	·26	·13	—	·64	—	—	—	—	—	·03	·03	6
7	·02	·21	·01	—	·02	—	1·01	—	—	·53	—	·01	7
8	·05	·06	·06	·26	·09	·03	·03	—	—	·15	—	·04	8
9	(tr)	·25	·01	·01	·12	—	·25	—	—	·32	·05	·01	9
10	·19	·01	—	—	·01	·23	·02	—	—	·07	(tr)	(tr)	10
11	—	—	—	·02	·01	—	·09	—	—	·29	—	·04	11
12	·06	—	—	—	—	·03	·53	—	—	—	—	·02	12
13	—	—	·08	—	·08	—	·19	·15	—	·09	·12	—	13
14	·43	—	·03	—	—	—	·22	·01	—	—	·25	—	14
15	—	—	·15	(tr)	—	·15	(tr)	·02	—	·28	·08	(tr)	15
16	(tr)	(tr)	·28	·11	·33	·12	·02	·04	—	·03	·02	·02	16
17	·07(6)	—	·28	·03	·03	·72	—	·11	·09	·01	·05	·01	17
18	·01	·02(5)	·10	·01	—	·38	·03	·10	—	—	·04	—	18
19	—	—	·06	·01	—	·05	—	·14	·21	—	·20	·03	19
20	—	·10	(tr)	·01	·38	·01	—	·12	·32	·02	—	—	20
21	—	—	—	—	·01	—	—	·23	—	·01	·01	·02	21
22	—	·025	—	—	·30	·08	—	·12	—	·12	·01	(tr)	22
23	—	—	—	·02	·01	·01	—	·04	·16	·01	—	—	23
24	—	·01	—	·16	·22	·15	·06	—	·03	—	·03	·10	24
25	—	·27	—	·07	—	—	·03	—	·65	(tr)	—	·11	25
26	—	·27	—	·09	—	—	—	—	—	·10	—	—	26
27	—	·04	—	·05	—	—	·87	—	—	·08	·01	—	27
28	—	·01	—	·01	—	—	·17	·78	—	·27	(tr)	·01	28
29	—	×	·02	·02	(tr)	—	·03	·02	—	·13	—	·02	29
30	·09(5)	×	·01	—	—	—	·31	(tr)	—	·05	—	·13	30
31	·7[illegible]	×	·05	×	—	×	·05	·17	×	·05	×	·12	31
TOTAL	2·91	2·13	1·84	·90	2·64	2·34	3·91	2·08	1·48	2·70	1·20	0·72	YEAR'S TOTAL 24·85
*Days with ·01 in. or more.	15	17	19	17	17	13	17	16	7	19	16	16	189
*Days with .04 in. or more.	12	11	13	5	11	9	11	11	5	14	9	6	116
40-9999		5·04	6·88	7·78 D	10·42	12·76	16·67	18·75	20·23	22·93	24·13	24·85	

*See Instruction 2 (*f*) on other side.

(*Signed*) A R Hall.

[P.T.O.

Section **A** for the entry of Daily Observations.

COPY FOR OFFICIAL USE.

Station No. 3616

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

Kept at WREAY Vicarage.

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft 0 in.

,, Ground ,, Sea Level 310 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

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Jan. 1, following

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	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	'08	—	'09	—	'02	—	—	'06	'09	—	—	'13		1
2	'02	'0	'06	'01	—	—	—	'40	'13	—	'28	'38		2
3	'27	—	'01	—	—	—	—	'01	(tr)	'20	'14	'18		3
4	'13	—	(tr)	—	'02	—	—	—	'07	'04	'02	'61		4
5	'01	—	'17	(tr)	'43	—		'12	(tr)	'06	(tr)	'12		5
6	'07	—	'03	—	'36	'04		'13	—	'32	—	'07		6
7	'26	'08	'05	'07	'04	'13		(tr)	(tr)	'01	—	'11		7
8	—	'01	(tr)	—	'04	'02		'08	'03	'32	—	'25		8
9	'06	—	'02	'30	—	—		'16	'13	'05	'07	'11		9
10	'05	—	'04	'05	—	—		'33	'03	'01	'08	'04		10
11	'21	—	—	'45	—	—		'04	—	—	'04	'03		11
12	'01	—	'01	'56	(tr)	—	'37	'22	—	'03	(tr)	'03		12
13	'10	(tr)	'04	'03	'03	—	1·03	—	—	'09	—	(tr)		13
14	'41	—	'18	'01	'02	'10	—	(tr)	—	'23	—	'09		14
15	'13	—	'04	—	'53	'01	'03	'04	'11	'20	'03	'03		15
16	'55	—	'28	(tr)	'20	—	—	—	—	(tr)	'03	'01		16
17	'07	—	'26	—	'03	—	'22	—	—	'01	'01	'25		17
18	'75	—	'06	'07	'15	'39	'04	'10	—	(tr)	—	'24		18
19	'02	—	'08	'09	'22	'17	'04	'05	—	'20	(tr)	'05		19
20	'02	—	'01	'14	'22	'08	'01	'15	'14	'03	—	—		20
21	'07	—	'06	(tr)	'03	'56	(tr)	'17	'47	'02	(tr)	'01		21
22	(tr)	—	'04	(tr)	—	'48	'09	'23	'09	'04	—	—		22
23	—	—	'08	'24	—	(tr)	'34	—	—	'37	'08	(tr)		23
24	—	'03	(tr)	'18	'17	'10	'04	—	'12	'66	(tr)	—		24
25	—	(tr)	—	'16	'02	10	'08	—	'11	'25	—	'22		25
26	'08		'02	'05	—	23	'12	—	'07	'22	—	'17		26
27	—		—	'03	—	'45	'03	'03	—	'37	—	'11		27
28	'01		—	'18	—	'18	'04	'48	'04	'09	—	'52		28
29	—	×	—	—	—	—	'10	'19	'13	'33	(tr)	'12		29
30	'25	×	—	—	—	—	(tr)	'01	'38	'08	—	'20		30
31	'01	×	—	×	—	×	—	'07	×	'01	×	'31		31
TOTAL	3·58	0·14	1·63	2·62	2·53	3·04	2·38	3·07	2·15	4·24	0·78	4·39	Year's Total 30·55	
*Days with ·01 in. or more.	24	4	21	17	17	15	15	21	16	26	10	26	212	
*Days with ·04 in. or more.	15	1	15	13	10	13	12	18	14	19	6	21	157	

40-9999

*See Instruction 2 (*f*) on other side.

† Spare column, no entries required.

(*Signed*) A R Hall

[P.T.O.

COPY FOR OFFICIAL USE/

Section **A** for the entry of Daily Observations. Station No. 3616

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at WREAY Vicarage

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Diameter of Funnel of Gauge 5 in.

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,, Ground ,, Sea Level 310 ft.

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Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·58	·06	·07	·01	–	–	·28	–	·53	·03	·02	·13		1
2	(tr)	·06	·05	(tr)	–	·06	·04	–	·52	·17	·04	·01		2
3	–	·64	·08	–	–	·36	·02	–	(tr)	–	·21	·04		3
4	–	·02	·05	(tr)	–	·19	·04	·01	·01	·22	(tr)	·05		4
5	–	·32	·10	–	–	·20	·09	–	·11	·19	·08	·04		5
6	·01	·01	·01	–	–	·30	–	–	·01	·15	·02	·01		6
7	(tr)	(tr)	–	·04	–	·05	–	–	–	·40	·03	·12		7
8	–	–	–	·15	–	·23	–	–	–	·40	·01	·37		8
9	·01	·03	–	·32	–	·08	–	–	–	·70	·06	–		9
10	·02	·28	–	·11	–	·09	–	–	–	·10	·07	–		10
11	·02		–	·01	–	·08	–	·12	–	·10	·12	–		11
12	–	·13	–	–	–	·09	–	–	·02	·09	·02	–		12
13	·17	·71	–	(tr)	·27	·03	·02	·01	·11	·03	·09	–		13
14	(tr)	·04	–	–	–	·02	·01	(tr)	–	·01	·08	·13		14
15	(tr)	·43	–	·33	·15	·43	·25	·02	·23	·19	·07	·22(s)		15
16	·01	·58	·07	·95	·37(s)	–	·03	·05	·30	(tr)	·17			16
17	–	·02	–	·18	·01	·11	·06	–	·27	·09	·18	–		17
18	·02	·06	–	·01	·01	·10	·05	·22	·20	·22	·02	–		18
19	–	·15	–	·04	–	·13	·42	–	·07	·10	·10	–		19
20	·01	·18	–	·14	–	·02	·01	–	–	·02	·06	–		20
21	(tr)	·03	·07	(tr)	–	–	–	–	·43	·03	·03	·04		21
22	(tr)	·10(s)	·17	·11	–	–	–	–	–	–	·01	–		22
23	·06	·33(s)	·05	·14	–	·27	–	·23	–	·54	–	–		23
24	·14(s)	·23	·17	·05	–	–	–	(tr)	·28	·03	–	–		24
25	·11(s)	–	·01	(tr)	–	·02	–	·04	–	–	·12	·15		25
26	·01	·07(s)	–	–	–	·28	–	1·03	·26	·18	·06	·16		26
27	–	·10(s)	(tr)	–	–	·02	·08	(tr)	·11	·34	·35	·05		27
28	·05	·20	–	–	–	–	–	·13	·10	·38	·02	·04		28
29	(tr)	X	·25	–	–	·06	–	·09	·14	·38	·58	·04		29
30	·01	X	·01	–	–	·41	–	·11	·35	·21	·64	·01		30
31	·06	X	(tr)	X	–	X	–	·01	X	·12	X	·37		31
TOTAL	1·41	4·18	1·13	2·59	0·81	3·63	1·46	2·07	4·05	5·42	3·26	1·98	Year's Total 31·99	
*Days with ·01 in. or more.	16	24	14	15	5	24	14	13	19	27	27	18	216	
*Days with ·04 in. or more.	7	19	10	12	3	19	9	9	16	21	18	15	158	
		5·59	6·72	9·31	10·12	13·75	15·21	17·28	21·33	26·75	~~30·01~~	31·99		

40-9999

*See Instruction 2 (*f*) on other side.

† Spare column, no entries required.

(*Signed*) 30·01 31·99 A R Hall

P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3616

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1936.

File No. 68591/26

Kept at WREAY Vicarage

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft 0 in.

,, Ground ,, Sea Level 310 ft.

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	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·03	·29	·02	—	—	·53	·34	·40	·22	—	·07	·04		1
2	(tr)	·02(s)	—	—	—	·02	·25	·02	·22	(tr)	·10	·08		2
3	·02	—	·02	—	—	·06	·01	·05	·27	—	·01	·09		3
4	·18	—	·06	—	—	·02	·16	·25	·30	—	·39	·90		4
5	·08	·03	·08	—	—	·01	·01	·34	·04	—	·14	·14(s)		5
6	·05	—	·06	(tr)	—	·04	·67	·02	·53	—	·03	·05		6
7	·01	—	·01		—	—	·01	—	·21	—	·37	·12		7
8	·08	—	·31		—	—	—	·01	—	—	·17	—		8
9	·75	—	·09	—	—	·01	—	—	·22	·02	·09	—		9
10	·12	—	—	—	—	—	·26	—	·06	—	·33	(tr)		10
11	·02	—	—	·01(s)	—	·05	·05	·09	—	—	·29	·28		11
12	—	—	—	·10(s)	—	·02	·04	·01	·32	—	·05	·03		12
13	—	—	—	·07	—	—	·15	·02	—	·17	·18	·82		13
14	—	—	·01	·01	—	·17	·01	·02	·09	·02	·16	·70		14
15	·03(s)	—	·04	·01	·01	·20	·04	·03	—	·02	·22	·22		15
16	—	—	·04	·04	·04	·09	·04	—	—	·25	·75	(tr)		16
17	·08	·15	·01	·04	·02	—	·16	·03	—	·24	·72	·30		17
18	—	·25	—	·06	—	·01	·05	·23	—	·23	(tr)	(tr)		18
19	·14(s)	·20	—	·01	—	(tr)	·13	·03	—	·05	(tr)	·08		19
20	—	·37	·06	·03	(tr)	(tr)	·19	(tr)	—	·03	—	·05		20
21	·05(s)	·02	·03	·01	—	·05	·01	—	—	·02	—	·06		21
22	·08(s)	·30(s)	·03	·01	—	·90	·14	—	—	·01	—	(tr)		22
23	·03	·44	·05	·08	(tr)	(tr)	·19	—	—	·13	—	—		23
24	(tr)	·02	·01	·07	·14	—	·28	—	·92	·75	·01	—		24
25	·32	—	—	·09	—	—	·54	—	·48	·25	—	—		25
26	·06	·10	·21	·02	(tr)	—	·01	—	·06	·22	—	—		26
27	·23	(tr)	·05	—	—	—	—	—	—	·19	—	—		27
28	·06	·14	·02	·03	·03	—	·03	(tr)	—	—	·01	(tr)		28
29	·07	·03	·12	—	·17	·90	·06	—	—	·38	·03	—		29
30	·05	×	·08	—	·01	·09	·23	(tr)	—	·10	·03	·05		30
31	·08	×	·03	×	·02	×	·03	—	×	(tr)	×	·09		31
TOTAL	2·62	2·36	1·44	·72	·44	3·17	4·08	1·55	3·94	3·08	3·55	3·93	Year's Total. 30·88	√30·88
* Days with .01 in. or more.	23	14	23	17	8	17	28	15	[illegible]4	18	21	18	216	√
* Days with .04 in. or more.	17	9	13	9	3	11	20	5	[illegible]4	12	15	16	144	√

40-9999

4·98 6·42 7·14 7·58 10·75

† Spare column, no entries required.

14·83 16·38 20·[illegible] 23·40 26·95 30·88

* See Instruction 2 (f) on other side.

(Signed) A.R. Hall

[P.T.O.

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Section **A** for the entry of Daily Observations

Station No. 3616

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1937

Kept at WREAY Vicarage

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

,, Ground ,, Sea Level 310 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

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Jan. 1, following ✓

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·05	·01	·07	—	—	·07	·04	—	·57	·22	—	·03		1
2	·04	·26	·13	·15	—	·14	·03	—	—	·03	—	·03		2
3	·01	·45	·02	·14	—	·25	·19	—	·02	—	—	·03		3
4	·33	—	·01	·39	·10	—	·12	·03	·32	—	—	·35(s)		4
5	·22	—	—	·22	·01	·10	·18	·30	·22	—	—	·15(s)		5
6	·07	·01	·01	·02	·06	·06	·03	·03	·09	—	—	—		6
7		·06	·02(s)	·16	·01	—	·04	—	—	—	·03	·20(s)		7
8	—	·33	—	·08	—	—	·33	·01	—	—	—	·01(s)		8
9	—	·03	(tr)	·03	·08	—	·07	·08	—	—	—	—		9
10	—	·08	—	—	·02	·02	·05	—	—	—	—	·13(s)		10
11	·02	—	·08(s)	—	·01	—	—	—	—	—	—	·04(s)		11
12	·32	·27	·08(s)	·03	·07	·14	·06	·27	·12	—	—	·38(s)		12
13	—	·19	·01	·02	—	·55	·01	·1	—	·02	—	·35(s)		13
14	(tr)	·07	·02	—	—	—	·19	·54	·16	—	—	·03(s)		14
15	·12	·45	·38	·25	—	—	·09	—	·08	—	—	—		15
16	·10	·28	—	·29	—	—	—	·23	·07	—	—	—		16
17	·28	·05	·02	·10	—	—	—	(tr)	·40	—	—	—		17
18	·01	·15	·06	·02	—	·18	·02	·20	·09	—	·23	—		18
19	·05(s)	·09	·02	·03	·05	·01	·01	—	—	—	·03	—		19
20	·35	·07	·03	·03	·02	·20	·18	—	—	·05	·08	·03		20
21	·23	·03	·08(s)	·07	·03	—	·47	—	—	·04	·08	·03		21
22	·13	—	·04(s)	·05	·52	—	·07	—	—	·02	·03	·11		22
23	·08	—	·04(s)	·02	·12	—	·23	—	—	·75	—	—		23
24	·39	(tr)	—	—	·01	—	·10	—	·15	·27	—	·02		24
25	·03	·13	·02(s)	—	·01	—	—	·02	—	·07				25
26	(tr)	·17	—	·01	·34	—	—	—	—	·03	·01	—		26
27	—	·42(s)	—	·20	—	(tr)	—	—	·08	·38	—	·03		27
28	·03(s)	—	—	—	—	·03	—	—	—	·08	—	·01		28
29	—	×	—	—	—	·06	—	—	—	·05	·02	·03		29
30	·03	×	—	—	—	·04	—	·08	·07	·12	·10	·01		30
31	·05	×	—	×	—	×	—	·32	×	·03	×	—		31
TOTAL	2·94	3·60	1·14	2·31	2·36	1·85	2·49	2·28	2·44	2·16	0·61	2·00	Year's Total 26·18	✓
* Days with .01 in. or more.	22	21	19	21	16	14	21	13	14	15	9	20	205	✓
* Days with .04 in. or more.	16	17	9	12	9	11	15	9	13	10	4	8	133	✓

6·54 7·68 9·99 12·35 14·20

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*) A. R. Hall [P.T.O.

16·69 18·97 21·41 23·57 24·18 26·18

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Station No. 3616

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	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	—	'03	'01	'00	—	'77	'01	—	'03	'02	'07	'17		1
2	'02	'03	—	'25	—	'05	'02	—	'26	'48	'27	'19		2
3	'01	'02	—	[illegible]	—	'08	'19	—	'35	'90	'16	'01		3
4	(tr)	(tr)	—	'05	—	'08	'05	—	'01	'42	'03	'55		4
5	—	'05	—	(tr)	—	'07	'33	—	—	'22	'01	'03		5
6	'28	—	—	'01	—	'07	'10	'03	'05	'32	(tr)	'01		6
7	'04	'02	—	—	—	—	'37	'04	—	'18	'19	'03		7
'09 8	'09	'10	—	—	—	(tr)	'19	'06	—	'47	'91	'06		8
'10 9	'10	'20	(tr)	—	'02	'04	'02	—	—	'07	—	'36		9
10	'05	'02	—	—	—	'09	'11	—	—	'08	'01	'11		10
11	'08	'04	—	—	'07	'02	'06	—	—	'08	'08	'12		11
12	'18	—	—	—	'06	—	'04	'02	—	'58	1'47	'05		12
13	'12	'01(S)	—	—	—	—	'22	'03	'08	'03	'04	'14		13
14	'42	—	—	—	—	—	—	—	—	(tr)	'01	(tr)		14
15	'27	'01	'10	—	'10	—	(tr)	57	—	'37	—	'22		15
16	'08	—	'03	—	'26	—	—	'09	'09	'19	'01	(tr)		16
17	'04	—	'02	—	'01	—	'02	'32	'34	'45	—	'01		17
18	'03	(tr)	'05	—	—	'05	—	'09	'48	30	'34	—		18
19	'02	—	'37	—	—	(tr)	—	'78	'04	'01	'06	17(S)		19
20	'31	—	'35	—	—	—	—	'05	'11	—	'11	'05(S)		20
21	(tr)	—	'01	'02	'15	'04	—	'23	'01	—	'50	'02(S)		21
22	—	—	—	—	'10	—	—	—	—	—	'44	'02(S)		22
23	'03	—	'01	'01	'18	'26	—	'04	—	—	'32	—		23
24	'33	—	'03	—	—	'12	—	'05	'20	'37	'15	—		24
25	'04	'02	'02	(tr)	'16	'02	1'05	(tr)	—	'23	'26	'12		25
26	'08	'21	'15	—	'40	'45	'02	—	—	'43	'01	'04		26
27	'11	'09	'02	—	'17	'24	'35	'16	—	'02	'12	'01		27
28	'35	'02	'02	—	1'12	'56	'02	—	—	'02	'07	'12		28
29	'01	X	—	'01	'10	'15	'60	'02	—	'12	'24	'10		29
30	'03	X	'01	—	'01	'06	'12	—	'34	'03	'47	'05		30
31	'29	X	'05	X	'24	X	—	(tr)	X	'32	X	'25(S)		31
TOTAL	3'41	'87	1'65	'45	3'15	3·22	3·89	2'58	2'29	6·69	6·35	3·01	Year's Total 37·56	✓
* Days with .01 in. or more.	26	15	16	8	16	19	20	16	14	26	26	26	228	✓
* Days with .04 in. or more.	14	6	6	3	13	17	14	12	11	20	21	18	160	✓

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*) A R Hall

P.T.O.

4·28 5·03 6·38 9·53 12·75 16·64 19·22 21·51 28·20 34·55 37·56

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1	·29	—	·15	—			·04	·05	—	—	(tr)	·20		1
2	·01	—	·16	·02	—	—	·32	·25	·45	—	·01	·10		2
3	—	—	·05	·02	—	—	·04	·08	·05	—	·04	·35		3
4	—	·02	·06	—	—	—	·19	·01	—	·01	·02	·10		4
5	—	·03	·28	—	·22	—	·41	·02	—	·12	·50	·03		5
6	·24	·10	·05	—	·01	—	·17	—	—	—	·15	—		6
7	·30	·12	·27	—	—	—	·02	—	·07	·02	·08	·05		7
8	·82	·22	·10	·20	·08	—	·08	·09	·06	·02	·22	·35		8
9	·22	·09	—	·02	—	·02	·02	·38	·07	·53	·02	·15		9
10	·03(s)	·02	·06	—	—	·20	—	·12	·28	·18	·05	·02		10
11	·02	·16	·33	—	—	·06	—	·03	—	·10	·10	—		11
12	—	·10	·02	·02	—	—	—	(tr)	·16	·30	·01	(tr)		12
13	·15(s)	·01	·02	·14	·25	·01	·32	—	·03	·20	·59	—		13
14	·42	—	—	·08	·24	·45	·08	—	—	·02	·50	—		14
15	·49	·01	·08	·11	—	·39	·08	—	—	·01	·10	—		15
16	·27	·02	·03	·04	·02	·01	·07	—	—	—	·11	—		16
17	·15	·03	·05	—	·02	·03	·05	—	—	—	·03	—		17
18	·13	·09	·07	—	—	·15	·19	—	—	—	·50	—		18
19	·23	·01	·01	—	·01	·06	(tr)	—	—	—	·03	—		19
20	·06	—	—	—	·03	·08	·07	—	—	—	·01	—		20
21	·08	·09	·02	·08	·03	—	·01	·02	·02	—	·02	—		21
22	·19	·15	·04	·04	—	—	·04	·02	—	·06	·20	—		22
23	·01	·15	·06	·10	—	·03	·02	·02	—	·01	(tr)	—		23
24	·02(s)	·21	·14	·10	—	—	—	—	—	—	·05	—		24
25	·16(s)	·06	·02	·10	—	—	—	·05	—	—	·55	·05		25
26	·02	·14	·02	·10	—	—	—	·30	—	·40	·03	—		26
27	—	·20	·11	·05	—	·20	·17	·64	—	·08	·08	—		27
28	·02(s)	·15	·05	·12	—	·22	·31	—	—	·01	·37	—		28
29	—	X	—	—	—	·19	·58	—	—	·12	·10	·03(s)		29
30	—	✕	—	—	—	·52	·17	—	—	·09	·50	—		30
31	—	✕	—	✕	—	✕	·38	·01	✕	·02	✕	·02(s)		31
TOTAL	4·33	2·18	2·25	1·34	·91	2·62	3·83	2·09	1·19	2·30	4·47	1·45	Year's Total 28·96	
* Days with .01 in. or more.	23	23	25	17	10	16	24	16	9	19	28	12	222	
* Days with .04 in. or more.	16	15	18	13	4	11	20	9	7	11	18	8	150	
		6·51	8·76	10·10	11·01	13·63	17·46	19·55	20·74	23·04	27·51	28·96		

† Spare column, no entries required.

(*Signed*) A R Hall

* See Instruction 3 (f) on other side.

P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3616

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 19~~4~~ 1940

Totals

Kept at WREAY Vicarage
in the County of Cumberland
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft. 0 in.
,, Ground ,, Sea Level 310 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	—	—	—	·04	—	—	·03	—		·01 ·009	·09	·15		1
2	—	—	—	·47	—	—	·13	—			·25	·12		2
3	—	—	—	·07	—	—	·08	—			/	·02		3
4	—	—	—	·01	—	—	·15	·01	·01	·13	/	·10		4
5	—	—	—	·01	·28	—	·36	—	—	·45	·09	·30		5
6	—	·05	—	·04	—	—	·80	·02	/	·25	·20	·25		6
7	·16	·03	—	·17	·04	—	·08	·15	·23	—	·09	/		7
8	·01	—	·15	(tr)	—	—	·02	·15	·09	·29	·06	·06		8
9	—	—	·40	·02	—	—	·58	·21	·03	·24	·25	·20		9
10	·03(s)	·03(s)	·11	·02	—	—	·70	·28	—	·05	·25	·10		10
11	—	[illegible]	·75	—	—	—	·76	—	/	/	·89	/		11
12	—	—	·48	—	—	·02	—	00	·30	—	·04	/		12
13	—	—	·08	—	—	—	·72	·02	·19	/	·09	/		13
14	—	·06(s)	·08	·12	—	—	·35	·04	·03	/	·06	/		14
15	·12(s)	—	·01	·02	—	—	—	—	/	·06	·10	/		15
16	—	—	·03	—	·04	—	·30	—	1·00	·30	/	·14		16
17	—	—	·15	—	—	—	1·25	·07	·20	·03	~~·04~~	·03		17
18	·16(s)	·07(s)	·30	·05	—	—	·06	·33	·38	/	/	·28		18
19	·12(s)	·10	·19	·05	—	—	·09	·04	·54	/	·16	/		19
20	—	·01	·08	—	—	—	·03	·38	·09	/	/	/		20
21	—	—	·23	·08	—	·42	·02	—	/	·35	/	/		21
22	—	·02	·28	—	·05	·38	—	—	·32	·01	/	/		22
23	—	·07	·08	·13	·07	—	·48	·02	·02	/	·05	/		23
24	·15(s)	·02	—	·15	—	·01	·09	·04	—	·01	/	·02		24
25	·04(s)	·01	—	·02	·71	·06	—	—		/				25
26	[illegible]	·06	·10	·01	·39	·05	—	·25		—	·05	/		26
27	·50(s)	·01	—	·07	(6)	—	·08	—	—	/	·02			27
28	—	—	—	—	·65	—	·01	·04	—	/		·08		28
29	·03(s)	—	·29	·04	·07	·01	·05	—	—	/	·02	·28		29
30	—	✕	·02	—	·02	·02	—	—	—	·21		·45		30
31	—	✕	·30	✕	—	✕	—	—	✕	·22	✕			31
TOTAL	1·64	0·58	4·11	1·59	2·32	0·97	6·62	2·14	3·43	2·61	2·85	2·40	Year's Total 31·26	
* Days with .01 in. or more.	11	14	20	20	10	8	24	17	14	15	19	16	188	
* Days with .04 in. or more.	9	7	17	13	9	4	19	13	10	11	17	13	142	
		2·22	6·33	7·92	10·24	11·21	17·83							

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(Signed) .... [P.T.O.

CARLISLE (BLACKWELL)

3616/9

CUMBERLAND.
BLACKWELL
CARLISLE.
1938 — 40

780403

FORM 1090. **B** Monthly Summary … rs of Station.

3616/9

** The following register of monthly tota… &c., is NOT required if daily or week… values are given on the other side.

… ll in this section and ~~also the~~ space for … iry relating to this register should be sent:—

SHEPHERD

…ckwell, Carlisle

RAINFALL IN 1938

At BLACKWELL

In the County of CUMBERLAND

Rain Gauge: Diameter of Funnel five in.

Height of Top above Ground 1 ft. — in.

Height of Ground above Sea Level 159 ft.

… Winter 9 am. in Summer 9 am.

Nearest Railway Station CUMMERSDALE Distance 1067 yds. Direction from gauge W.S.W.

Nearest Parish Church at UPPERBY Distance 1487 yds. Direction from gauge N.E.

Nature of objects nearest to gauge	Dwelling-house	Corrugated Iron Railing		
Height of objects	(two-storied)	8'		
Distances ...	40 yds.	18'		
Directions from gauge ...	E.N.E.	W.S.W.		

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	2·34				
FEB.	0·83				
MAR.	1·38				
APRIL	0·83				
MAY	2·25				
JUNE	3·79				
JULY	3·88				
AUG.	2·70				
SEPT.	2·28				
OCT.	5·70				
NOV.	6·24	1·04	12th		
DEC.	2·78				
TOTAL	34·70				

P[illegible]
25/1/39

No file

Signature Harold Shepherd

X H. SHEPHERD ESQ. X

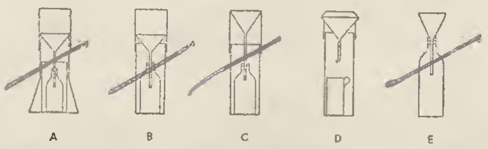
* See Instruction 3 *(f)* below.

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

M.O. 7
10 JAN. 1939

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day ~~and should be entered in the register at the time of observation~~. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 *a.m. by the clock during Summer Time Period.*

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005: this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{r}17\\18\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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Wt.1046/3030. 26,000. 4/36. W. H. & S. 668/91.
S.O. Code No. 40-9999

CARLISLE (BLACKWELL)

3616/9

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1938

At BLACKWELL

In the County of CUMBERLAND

Rain Gauge

Diameter of Funnel five in.

Height of Top above Ground 1 *ft.* — *in.*

Height of Ground above Sea Level 159 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	2·34				
FEB.	0·83				
MAR.	1·38				
APRIL	0·53				
MAY	2·25				
JUNE	3·79				
JULY	3·88				
AUG.	2·70				
SEPT.	2·28				
OCT.	5·70				
NOV.	6·24	1·04	12th		
DEC.	2·78				
TOTAL	34·70				

25/1/39

Signature Harold Shepherd

H. SHEPHERD ESQ.

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and ~~also the~~ space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

HAROLD SHEPHERD
Rosedene, Blackwell, Carlisle

Hour of observation by the clock—in Winter 9 am. in Summer 9 am.

Nearest Railway Station CUMMERSDALE Distance 1067 yds. Direction from gauge W.S.W.

Nearest Parish Church at UPPERBY Distance 1487 yds. Direction from gauge N.E.

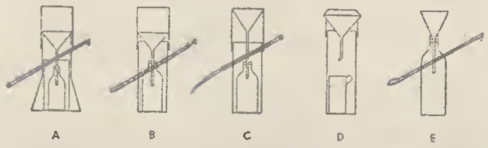
Nature of objects nearest to gauge	Dwelling-house	Corrugated Iron Railing		
Height of objects	(two-storied)	8'		
Distances ...	40 yds.	18'		
Directions from gauge ...	E.N.E.	W.S.W.		

If gauge has been moved during the year state—

Date of move ... Distance ... Direction ...

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

No file

M.O.7
10 JAN 1939

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

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(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
  (A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
  (B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005: this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

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S.O. Code No. 40-9999

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939.

At BLACKWELL

In the County of CUMBERLAND

Rain Gauge
- Diameter of Funnel Five in.
- *Height of Top above Ground* 1 *ft.* — *in.*
- *Height of Ground above Sea Level* 159 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	3·93				
FEB.	2·18				
MAR.	1·96				
APRIL	0·97				
MAY	0·80				
JUNE	2·44				
JULY	3·23				
AUG.	2·93				
SEPT.	0·99				
OCT.	1·83				
NOV.	3·67				
DEC.	1·31				
TOTAL	26·24 /				

Signature Harold Shepherd

* See Instruction 3 *(f)* below.

C Particulars of Station No. 3616/9.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—
HAROLD SHEPHERD
Rosedene, Blackwell, Carlisle

Hour of observation by the clock—in Winter 9 am in Summer 9 am

Nearest Railway Station CUMMERSDALE Distance 1067 yards Direction from gauge W.S.W.

Nearest Parish Church at Upperby Distance 1487 yards Direction from gauge N.E.

Nature of objects nearest to gauge	Dwelling-house	Corrugated Iron Railing		
Height of objects	(two-storied)	8'		
Distances ...	40 yds.	18'		
Directions from gauge ...	E.N.E.	W.S.W.		

If gauge has been moved during the year state—

Date of move — Distance — Direction —

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

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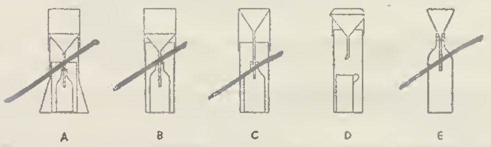

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In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

M.O. 7
4 JAN. 1940

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(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

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(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

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Wt. 3079/2165 25,500 12/37 W.H.&S. 668/91
S.O. Code No. 40-9999

Station No. 3616/9

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 19~~3~~40

At BLACKWELL 54°51′ N 2°56′ W

In the County of Cumberland

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* – *in.*
Height of Ground above Sea Level 159 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	0·87	(1·17)			
FEB.	0·54				
MAR.	4.19				
APRIL	1·35				
MAY	2·21				
JUNE	1·31				
JULY	5·35				
AUG.	2·13				
SEPT.	3·73				
OCT.	2·28				
NOV.	2·50				
DEC.	2·74	1″	30th		
TOTAL	29·50 ~~29·20~~				

Signature Harold Shephard

Jan. estd from nearby stns.

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—
Harold Shephard
Rosedene, Blackwell, Carlisle

Hour of observation by the clock ~~in Winter~~ Weekly ~~in Summer~~ reading

Nearest Railway Station CUMMERSDALE Distance 1067 yds Direction from gauge W.S.W

Nearest Parish Church at UPPERBY Distance 1487 yds Direction from gauge N.E.

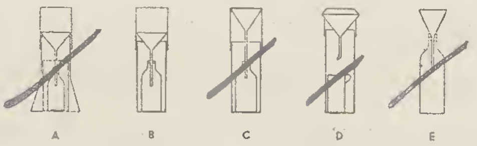
Nature of objects nearest to gauge	Dwelling-house	Corrugated Iron Railing		
Height of objects	(two-storied)	8′		
Distances ...	40 yds	15′		
Directions from gauge ...	E.N.E.	W.S.W.		

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

M. O. 3
4 JAN 1941
B. R.

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 / 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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Price 1d. net
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335

3617

Section **A** **for the entry of Daily O**

AIR MINISTRY.—MET

FOR OFFICIAL USE.

SH RAINFALL ORGANIZATION.

3617.

CUMBERLAND.
SILLOTH.
1931 — 40
780703

FORM 1090.

REGISTER N 1931.

[illegible]

Letter re large total [illegible] 29/4/32

Kept at Silloth

in the County of Cumberland

Diameter of Funnel of Gauge..........in.

Height of top of Gauge above Ground..........f

,, Ground ,, Sea Level ....ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1			-	·05			·19		·84		·14	·10	1
2				·11		·86				·37	·65	·97	2
3	·27		-			15	55		·20	·06	2·13	·17	3
4							·05		·12	24	·06	06	4
5		·12			·21	57	42			04	·03	·71	5
6		30				50	·28		·09	11	·31		6
7		·17				16		·10		45	·13	24	7
8	·10	·15				·23	88	·03		·08	·12	·03	8
9		·13		·09	·15	38		23		27	17	·03	9
10	04	12			47	03				1·33	19		10
11	19	60		·11	·07		59		·16				11
12			·02	·03		·15	·10			12	·13		12
13			54		·06	1·91				10	·03	·05	13
14	03	06	·07			42	24	·07	·03		42	·03	14
15	·05	·14		·07		05	1·20	22			58		15
16	·21	·02		15		07	10	·50	·17		·02		16
17				·10	·20	05	·53	43					17
18	·18				·15			·05			·24		18
19	·10	44	·04				·35	·85		·03	·37		19
20		14				·03		·05					20
21	·32		·02		·10	11	·02	·16			19		21
22	44	·09		·12	·28	·31	·38					·31	22
23	·22			·10	·09						·04	·93	23
24	·27	19		·11	·14		·07				·45	·06	24
25	·16	·07		·36	·06						44	·04	25
26						·06					·10		26
27	·14			·05	·03		·09			·03	·55	·06	27
28	·34	·03	·03		·30		·07			14	22	·11	28
29	·05				·08		·58		·02		·05		29
30		✗			·18		·04			·49	·05		30
31	·23	✗		✗		✗	03		✗	14	✗		31
													YEAR'S TOTAL
TOTAL	3·34	2·77	·72	1·45	2·57	6·04	6·76	2·69	1·63	4·00	7·81	3·90	43·68
*Days with ·01 in. or more.	18	16	6	13	16	18	21	11	8	16	26	16	185
*Days with ·04 in. or more.	17	14	3	12	15	16	19	10	6	14	23	13	162

40-9999

*See Instruction 2 (f) on other side.

(Signed) R. Percival

P.T.O.

335

3617

Section **A** for the entry of Daily Observations. FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1931.

Kept at Silloth

in the County of Cumberland

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

,, Ground ,, Sea Level .... ft.

Letter re [illegible] [illegible] + suggesting [illegible] 29/4/32

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1			–	·05			·19		·84		·14	·10	1
2				·11		·86				·37	·65	·97	2
3	·27					·15	·55		·20	·06	2·13	·17	3
4							·05		·12	·24	·06	06	4
5		·12			·21	57	·42			04	·03	·71	5
6		·30				50	·28		·09	·11	·31		6
7		·17				·16		·10		45	·13	·24	7
8	·10	·15				·23	·88	·03		·08	·12	·03	8
9		·13		·09	·15	·38		·23		·27	·17	·03	9
10	04	·12			47	03				1·33	·19		10
11	·19	60		·11	·07		·59		·16				11
12			·02	·03		·15	·10			·12	·13		12
13			54		·06	1·91				10	·03	·05	13
14	·03	·06	·07			42	·24	·07	·03		·42	·03	14
15	·05	14		·07		05	1·20	·22			·58		15
16	·21	·02		15		·07	·10	·50	·17		·02		16
17				·10	·20	·05	·53	·43					17
18	·18				·15			·05			·24		18
19	·10	44	·04				·35	·85		·03	·37		19
20		14				·03		·05					20
21	·32		·02		·10	11	·02	·16			19		21
22	·44	09		·12	·28	·31	·38					·31	22
23	·22			·10	·09						·04	·93	23
24	·27	·19		·11	·14		·07				·45	·06	24
25	·16	·07		·36	·06						·44	·04	25
26						·06					·10		26
27	·14			·05	·03		09			·03	·55	·06	27
28	·34	03	·03		·30		·07			·14	·22	·11	28
29	·05				·08		·58		·02		·05		29
30		✕			·18		·04			·49	·05		30
31	23	✕		✕		✕	·03		✕	·14	✕		31
TOTAL	3·34	2·77	·72	1·45	2·57	6·04	6·76	2·69	1·63	4·00	7·81	3·90	YEAR'S TOTAL 43·68
*Days with ·01 in. or more.	18	16	6	13	16	18	21	11	8	16	26	16	185
*Days with ·04 in. or more.	17	14	3	12	15	16	19	10	6	14	23	13	162

40-9999

*See Instruction 2 (f) on other side.

(Signed) R. Percival

P.T.O.

Section **A** **for the entry of Daily Observations.** 77a 852/27. **COPY FOR OFFICIAL USE.** 3637

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 193[illegible].

Cumb/1

Kept at Silloth

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

,, Ground ,, Sea Level 27 ft.

new measure bought April 1932

Begins 1931.

Return is W.D.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ·02

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·30			·14	·26	–	·47	·05	·13	·37	·10	·25	1
2	·14			·03				·08	·48	·01	·34	·64	2
3	·29				·06		·48	·05	·52		·18	·24	3
4	·10						·16		·02		·08	·20	4
5	·20		·03	·07			·01	·03	·02				5
6	·36	·03	·20	·18	·03			·01	·49	·30			6
7	·09		·09	·10					·01				7
8	·03		·24	·18	·10				·11	·13			8
9	·08			·59					·27	1·07			9
10	·54			·07					·13				10
11	·28				·07				·27	·02		·04	11
12	·08	·04			·45		·12	·01					12
13	·28			·10	·75		·88	·30	·10	·36			13
14	·06			·06	·07		·05		·64	·04		·10	14
15	·42				·05			·05				·19	15
16	·39				·33		·06	·02	·01		·13	·51	16
17	·81							·01		·09		1·85	17
18	·02							·01		·65		1·45	18
19	·02			·10	·13							·52	19
20	·04		·06	·16	·04		·02	·51		·14	·02	·24	20
21	·15		·08		·04			·12		·10	·16	·09	21
22	·13	·04	·69	·13						·76	·13	·05	22
23			·09				·11			·07	·66	·03	23
24	·02		·03				·05		·01	·24	·21	·05	24
25	·14				·08		·08		·45	·01	·02	·02	25
26		·02	·02			·02	·01	·13	·02	·40	·20		26
27				·21	·02		·43		·10	·02	·21		27
28			·62	·13		·60	·47				–	·20	28
29			·04	·04	·35		·08	·05		·03	–		29
30	·14	×	1·00		·01	·18	·45	·13	·01	·41	·39		30
31		×	·11	×		×	·18	·04	×		×		31
TOTAL	4·81 ~~5·11~~	·13	+·14 3·44 ~~3·30~~	+·26 2·41 ~~2·29~~	2·58 ~~2·84~~	+·47 1·27 ~~·80~~	+·05 3·69 ~~3·11~~	+·13 1·68 ~~1·60~~	+·31 4·03 ~~3·78~~	+·10 4·95 ~~5·33~~	+·25 2·98 ~~2·83~~	+·02 6·44 ~~6·62~~	YEAR'S TOTAL 38·41 ~~38·69~~
*Days with ·01 in. or more.	~~25~~ 24	4	~~17~~ 15	16	~~17~~ 16	~~3~~ 4	18	17	19	20	14	~~8~~ 18	185
*Days with ·04 in. or more.	~~21~~ 20	2	~~11~~ 12	15	~~14~~ 13	~~2~~ 3	15	11	12	15	12	~~16~~ 15	145 ~~146~~

40-9999

*See Instruction 2 (*f*) on other side.

(Signed) R. Percival

P.T.O.

X MISS. A.P. FARRIES. X

Section **A** for the entry of Daily Observations.

3617

COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Kept at Silloth

in the County of Cumberland

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

,, Ground ,, Sea Level .... ft.

January rejected as being high? by 1"

and for WPD.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·02	1·09		·06					·35				1
2	·08	·07	·03			·18					·10		2
3	·90		·06			·70							3
4	·21	·32	·12										4
5	·52	·64											5
6	·04	·05	·13		·28								6
7		·20	·03		·30		1·28					·04	7
8	·09	·07		·50	·11		·07			·76			8
9	·12	·11	·33	·50	·04		·42			·02	·04		9
10		·40	·08		·09		·13			·41	·03	·02	10
11	·19				·02	·10	·05			·04			11
12				·08	·06		·03			·07		·15	12
13	·09				·02		·18			·03			13
14			·09				·03			·05	·19		14
15	·80		·09		·05			·06		·03	~~·44~~		15
16			·08		·08	·09		·09		·21	·04		16
17		·01	·02	·18					·08			·01	17
18	·05		·20	·01	·01			·22					18
19	·05		·03		·25	·15		·14	·38		·09		19
20					·01	·08		·12	·03		·22		20
21						·03		·07	·03				21
22									·08				22
23					·13			·02		·09			23
24				·03			·51	·03	·11				24
25		·12		·47	·49	·22						·08	25
26		·13		·01					·02			·10	26
27		·23		·17	·25		·27			·09		·11	27
28		·02		·04			·18						28
29							·09	·90		·05			29
30		×	·01				·53					·07	30
31	·13 1·09	×	·02 ·06	× –		×		·35	×		×		31
TOTAL	~~3·29~~ 4·36	~~3·46~~ 2·37	~~1·32~~ 1·38	~~2·05~~ 1·99	2·19	1·55	3·77	5 ~~1·64~~ 2·00	~~1·08~~ ·73	5 1·87	1·15	·58	YEAR'S TOTAL 23·92
*Days with ·01 in. or more.	14	13	16	10	16	8	13	10	7	12	8	8	135
*Days with ·04 in. or more.	14 13	11	10	7	12	7	11	10	4	9	7	6	108

40-9999

*See Instruction 2 (*f*) on other side.

(*Signed*) R. Percival

DM

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3617

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

Kept at Silloth

in the County of Cumberland

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

,, Ground ,, Sea Level .... ft.

Corrd. for

W.D.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ·14

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·16								·09	·94				1
2	·27		·31					·20	·05			·21		2
3			·07						·24		·11	·46		3
4	·73							·19	·19	·04	·38	·41		4
5	·44		·02						·37	·14		·97		5
6			·08		·15			·10		·04		·15		6
7	·32			·04	·26	·02		·41	·12	·26		·12		7
8	·55		·04	·10					·03			·23		8
9		·09	·01		·22			·12	·07	·12		·10		9
10	·21			·29				·35	·07	·24	·05	·45		10
11	·05		·07	·12	·01			·61	·19					11
12	·28		·10	·74	·03						·11	·12		12
13	·09			·66				·09				·06		13
14	·20			·03	·02		·14			·10		·18		14
15	·28		·28	·04		·11				·11				15
16				·02	·65		·03	·08	·18			·02		16
17	·87		·19		·02						·06			17
18	·05		·25	·17	·06		·42		·09			·57		18
19	·96		·05	·44	·20	·68		·12				·45		19
20				·11	·21	·08	·03	·04	·09	·19	·16	·29		20
21				·34	·28				·01	·15				21
22			·03		·05	·99	·25		·20	·11				22
23	·03		·03	·03			·04		·30	·04				23
24			·10	·31		·47	·12			·35	·06	·15		24
25				·08	·25		·04	·12	·18	·64				25
26	·14	·10	·05				·04	·98	·14	·46		·34		26
27	·03					·43	·07	·19	·14	·25		·15		27
28						·23	·04	·20		·19		·07		28
29						·21		·47	·23	·04		·22		29
30		X					·16	·35	·12	·06		·09		30
31	·10	X		X		X		·04 ·09	X ·94	·09	X	·10 ·14	Year's Total	31
TOTAL	60 ~~5·76~~	·19	1·68	3·52	2·41	3·22	1·38	~~4·46~~ 55	10 ~~3·09~~ 3·95	~~4·56~~ 3·62	·93	1 ~~5·92~~ 6·05	~~36·96~~ 37·10	
*Days with ·01 in. or more.	18	2	16	16	14	9	12	19 ~~18~~	21	20	7	2~~3~~4	17~~7~~8	
*Days with ·04 in. or more.	16	2	12	13	10	8	10	19 ~~18~~	19	20	7	2~~2~~3	15~~8~~9	

40-9999

*See Instruction 2 (*f*) on other side.

M

† Spare column, no entries required.

(*Signed*) R. Percival

[P.T.O.

Query sent for June
Obs. agrees.

Section **A** **for the entry of Daily Observations.**

COPY FOR OFFICIAL USE.

Station No. 3617

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at Silloth

in the County of Cumberland

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

,, Ground ,, Sea Level .... ft.

Jan 1st. reading taken from card.

Covd. for

W.D.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following: ·42

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·14	·09	·05				·06			·51		·77		1
2	·30	·11	·04		·07		·19		·41		·08	·18		2
3		·10				·26	·03		·25	·39	·02			3
4		·26	·08			·10	·03		·12		·08	·01		4
5		·04	·09			·17	·12			·16		·06		5
6		·29	·03				·05		·12	·09	·10			6
7						·14				·01	·06			7
8				·19		·20				·93		·20		8
9				·23		·04				·11		·08		9
10	·05	·05		·49			·18			·60	·07			10
11	·25	·23		·33		·41				·06	·09			11
12	·36	·10				·11		·26		·08	·12			12
13		·20				·07			·09	·03	·14			13
14	·12	·08		·14	·12				·04	·18	·18			14
15				·02		·07			·17	·01	·34	·15		15
16		·29		·27	·22	·02			·16	·28	·18			16
17		·36	·04	·68	·20		·22		·32		·30			17
18				·30		·05		·15	·05	·14	·52			18
19		·38					·53	·04	·47	·28				19
20		·65		·10		·21			·13	·10	·22			20
21		·40		·15		·02								21
22			·24	·10						·10		·04		22
23		·10	·09	·09										23
24			·03			·26		·06	·02	·45				24
25	·37	·28	·15						·34	·25	·01	·25		25
26	·25							·05			·30			26
27						·39	·21	1·35	·19	·18	·07	·09		27
28						·04		·02	·06	·32	·30	·10		28
29	·11								·27	·24	·11	·04		29
30		×	·16			·09		·30	·71	·39	·10	·13		30
31	·09	× ·05		×		·06 ×		·20	× ·51	·21	× ·77	·42		31
TOTAL	1·90 ~~1·95~~	3·97 ~~4·01~~	·95 ~~1·00~~	3·09	·61	2·71 ~~2·65~~ ~~2·24~~	1·56 ~~1·62~~	2·43	4·43 ~~3·92~~	5·59 ~~6·10~~	4·16 ~~3·39~~	1·75 2·10	Year's Total 33·15	
*Days with ·01 in. or more.	9	18	10	13	4	19	9	9	19	24	22	13	169	
*Days with ·04 in. or more.	9	18	8	12	4	17	7	8	18	21	20	12	154	

† Spare column, no entries required.

40-9999

*See Instruction 2 (*f*) on other side.

(*Signed*) R. Percival for Miss A. P. Farries

M

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3617

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1936.

Kept at Silloth

in the County of Cumberland

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

,, Ground ,, Sea Level .... ft.

Examine end of year if W.D. no Monthly Station near enough to compare with.

Copy by B.R.O.

Circ 913 sent 9.2.37

Does not appear W.D.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	.42	.13	.07	.05			1.14	.50	.26	–	.25	.01		1
2	.04					.06	.23		.46	–	.16			2
3	.19								.07	–	–	.19		3
4						.02	.02		.23	–	.30	.15		4
5	.46	.03	.13			.02		.30	.06	–	.14	.17		5
6	.05		.07				.21	.05	.49	–	.10			6
7	.07		.04				.08		.03	–	.33	.16		7
8			.20						–	–	.48			8
9	.27		.28				.06		.30	.01	.03			9
10	.60		.11				.02		.17	–	.15			10
11	.27					.08		.14	–	–	.40	.41		11
12							.07		.30	–	–	.11		12
13				.04	.02		.01		.35	.14	.15	1.01		13
14				.10	.10	.20	.06	.09	.14	–	.34	.16		14
15						.45			.40	–	.15	.44		15
16					.14	.48	.01		–	.05	.65			16
17		.17		.02	.19	.10	.15	.12	–	.15	.13	.46		17
18		.13		.02	.12		.09	.18	–	.36	–			18
19		.23		.04	.03		.22	.03	–	.12	–	.14		19
20		.26	.02						–	–	–	.12		20
21	.53	.19	.40			.02		.06	–	.01	–	.10		21
22		.24	.04			.21	.18		.09	.05	–			22
23	.04	.22					.44		–	.13	–			23
24	.03		.16	.13			.14		–	.89	–			24
25	.04	.01		.31	.48		.39		2.11	.26	–			25
26	.59	.05		.08			.02		.25	.27	–			26
27	.02	.05	.13	.02			.07		–	.23	.03			27
28	.15	.07					.45		–	–	.03			28
29	.10		.19	.04		.56	.34		–	.41	–	.05		29
30	.01	×	.27		.06	.07	.67		–	.10	.07	.50		30
31	.07	×	.08	×		×			×	–	×	.18		31
TOTAL	3.95	1.78	2.19	.85	1.14	2.27	5.07	1.47	5.65	3.18	3.89	4.36	Year's Total. 35.80	✓
* Days with .01 in. or more.	19	13	15	11	8	12	23	9	16	15	18	17	176	✓
* Days with .04 in. or more.	16	11	14	8	6	9	18	8	14	13	15	16	148	✓

40-9999

† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(*Signed*) R. Percival

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3617

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1937.

Kept at Silloth

in the County of Cumberland

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft.........in.

,, Ground ,, Sea Level ....ft.

Copy by B.R.O. NOT

W.D.

Ab 2/1

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ✓

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·05	–	–	–	–	·06	·10	–	·44	·04	–	·10		1
2	·02	·51	–	·18	–	·27	·06	–	·02	·26	–	–		2
3	·07	·42	–	–	–	·23	·29	–	–	–	–	·03		3
4	·31	–	·03	·10	·06	·20	·11	–	·94	–	–	·44		4
5	·38	–	–	·11	–	·47	·24	–	·61	–	–	·11		5
6	·14	–	–	·09	·16	·45	·06	·18	·03	–	–	–		6
7	–	·28	–	·38	–	–	–	–	·05	–	·01	–		7
8	–	·15	–	·12	–	·12	·25	–	–	–	–	–		8
9	·02	·06	–	·02	·16	–	·09	·22	–	–	–	–		9
10	–	·13	–	–	·09	·05	–	–	–	–	–	·29		10
11	·05	–	·19	–	–	·02	–	·01	·03	–	–	·15		11
12	·86	·13	·10	–	·07	·16	·05	·07	·10	–	–	–		12
13	–	·27	–	–	–	·03	–	·11	–	–	–	·40		13
14	–	·03	–	–	–	–	·31	·26	·14	–	–	·17		14
15	·14	·54	–	·24	–	–	–	–	·40	–	–	–		15
16	–	·25	·18	·35	·07	–	–	·39	–	–	–	–		16
17	·05	·05	·16	·09	–	–	–	–	·08	–	–	–		17
18	–	·12	·13	·03	–	–	·02	·15	–	–	·51	–		18
19	·10	·21	·01	·31	–	–	–	·03	·01	–	·28	–		19
20	·05	·09	–	·03	·57	–	·15	–	–	·10	–	·13		20
21	·30	–	·08	·08	·05	–	·46	–	–	·04	–	·09		21
22	·26	–	–	–	·22	–	·01	–	–	·24	–	·22		22
23	–	–	·09	–	·08	–	·10	–	·24	·74	–	·09		23
24	·07	·04	–	–	·02	–	·02	–	·10	·39	–	·05		24
25	·04	·10	–	–	–	–	–	–	–	·27	–	·05		25
26	–	·18	·03	–	·14	–	–	–	–	·51	–	·02		26
27	–	·27	–	·13	–	–	·26	–	·11	·42	–	·02		27
28	–	–	–	–	–	·04	–	–	–	·03	·04	–		28
29	–	–	–	–	–	·16	–	–	·01	·12	·12	–		29
30	·11	✕	–	–	–	·02	–	–	·35	·28	·28	–		30
31	·12	✕	–	✕	–	✕	–	·46	✕	·06	✕	–		31 29·42
													Year's Total	
TOTAL	3·1~~5~~ 4	3·83	1·00	2·26	1·69	2·28	2·58	1·88	2·66	3·50	1·24	2·36	29·45	✓
* Days with .01 in. or more.	19	19	10	15	12	14	17	10	17	14	6	16	169	✓
* Days with .04 in. or more.	17	18	7	12	11	11	14	8	12	13	5	13	141	✓

40-9999.

† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(*Signed*) .... [P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3617

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 10

REGISTER OF RAINFALL IN 1938

Kept at Silloth

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. in.

,, Ground ,, Sea Level 27 ft.

Copy by B.R.O.

400

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	–	·10		06		·71	—	–	·18	·17	·02	·15		1
2	–	·05	·02	·20		·03	—	–	·22	·25	·11	·06		2
3	–	·01				·06	.23	–	·11	·60	·37	–		3
4	–	–		04		·12	.03	–	–	·26	·06	·77		4
5	–	·02				·05	·61	–	·07	·06	–	·03		5
6	·51	–				·23	—	·10	·24	·51	–	·03		6
7	·02	–					·58	·48	–	·12	·24	–		7
8	·18	·22					–	·11	–	·53	·99	·04		8
9	·15	–				·12	·02	–	–	–	–	·13		9
10	·01	–				·01	.22	–	–	·03	–	·10		10
11	·30	·21			·20	·06	·17	–	–	·16	·05	·07		11
12	·39	–			·10		·08	03	–	·98	1·16	·06		12
13	·07	–			·07		·90	·02	·03	·30	·05	·04		13
14	–	–			·55		—	–	–	—	–	·03		14
15	·11	–			·14		·01	49	–	·31	·04	–		15
16	–	–	·59		·11		—	·05	·63	·06	·13	–		16
17	·41	–	·23		·25		—	22	·12	·51	·05	·09		17
18	–	–	·05			·13	—	–	·13	·43	·62	–		18
19	–	–	·07			·09	—	69	·06	—	·10	–		19
20	·09	–	·42				—	·02	·12	—	–	–		20
21	·35	–	·69		·05		—	·06	·07	·44	·66	–		21
22	·03	–		01	·09		—	–	—	–	·38	–		22
23	·04	–			·25	·37	–	·05	—	–	·34	–		23
24	·22	–	·05			·33	·02	·02	·19	·39	·20	–		24
25	–	–	·13		36		·41	–	–	·11	·06	·27		25
26	·07	–			·25	1·03	–	–	–	·14	·02	–		26
27	·12	·13	·20		07	·26	—	22	–	·01	·19	–		27
28	–	·30			·24	·69	·13	–	–	·02	·11	–		28
29	·12	✕			·05	·28	2·21	03	–	·04	·15	·12		29
30	·15	✕				·01	·44	–	·06	—	·29	·02		30
31	·06	✕		✕	33	✕	—	–	✕	·69	✕	·49		31
TOTAL	2·40	1·04	2·45	·31	3·11	4·58	6·06	2·59	2·23	7·12	6·39	2·50	Year's Total 41·78	
* Days with .01 in. or more.	20	8	10	4	16	18	15	15	14	24	24	17	185	
* Days with .04 in. or more.	17	6	9	3	16	15	11	11	13	21	22	13	157	

* See Instruction 3 (f) on other side.

3·80

† Spare column, no entries required

(*Signed*) R. Percival

[P.T.O.

COPY FOR OFFICIAL USE

ection **A** for the entry of Daily Observations

Station No. 3617

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

400

Copy by B.R.O.

card written for Dec.

Kept at Silloth

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. in.

,, Ground ,, Sea Level 27 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·08	—	·07	—	—	—	·08	·43	—	—	—	·27		1
2	—	—	·21	·01	—	—	·06	·12	—	·01	·03	·10		2
3	—	—	·07	—	—	—	—	·13	·51	—	—	·24		3
4	—	·02	·13	—	—	—	·16	—	·12	—	—	·09		4
5	—	·15	·36	—	—	—	·48	—	—	—	·25	—		5
6	·21	·23	·03	—	·02	—	·36	—	—	·15	·05	—		6
7	·75	·12	·40	·28	—	—	·03	—	—	—	·06	·04		7
8	1·47	·78	·16	—	—	—	·03	—	·14	·10	·23	·25		8
9	·14	·16	—	—	—	·01	·01	·78	·11	·58	—	·43		9
10	—	—	·04	—	—	·04	—	·03	·39	·69	·09	·09		10
11	·07	·15	·23	—	—	·01	—	—	·43	·10	—	—		11
12	—	·10	—	—	—	—	—	·04	—	·07	—	—		12
13	·04	—	—	·16	·12	·16	1·03	—	·11	·02	·19	—		13
14	88	—	·02	·05	·38	·45	·13	—	—	—	·38	—		14
15	·20	·02	·11	·03	—	·01	·95	—	—	—	·04	—		15
16	·61	—	·04	—	—	·24	·20	—	—	—	·18	—		16
17	·45	·12	·01	—	—	—	—	—	—	—	·02	—		17
18	·06	·04	—	—	·01	—	·01	—	—	—	·38	—		18
19	·20	—	·10	—	·06	·02	·20	—	—	—	—	—		19
20	·02	—	—	·04	—	·01	·07	—	—	—	—	—		20
21	·10	·16	·07	·11	—	—	—	·37	—	·01	—	—		21
22	·35	·13	—	—	—	—	·01	—	—	·05	·61	·01		22
23	—	·10	—	·09	—	—	·01	—	·01	·01	—	—		23
24	—	·23	—	·06	—	—	—	—	—	—	·01	—		24
25	·11	·28	—	·04	—	—	—	·02	—	—	·76	—		25
26	—	—	—	·05	—	—	—	·48	—	—	·12	—		26
27	—	·19	—	·01	—	·39	·23	·06	—	—	·06	—		27
28	—	·02	—	—	—	·25	·84	—	—	—	·38	—		28
29	—		·02	—	—	·04	·48	—	—	·01	·11	—		29
30	—	✕	—	—	—	·12	·21	—	—	·09	·62	—		30
31	—	✕	·05	✕	—	✕	·16	—	✕	—	✕	—		31
TOTAL	5·74	3·00	2·12	·93	·59	1·75	5·74	2·46	1·82	189	4·57	1·52	Year's Total 32·13	
* Days with .01 in. or more.	17	18	18	12	5	13	22	10	8	13	20	9	165	
* Days with .04 in. or more.	16	15	14	9	3	8	16	8	7	8	17	8	129	

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) ....

[P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3617

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1940

Copy by B.R.O.

4 80

Kept at Silloth

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

,, Ground ,, Sea Level 27 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	-	-	-	·05	-	-	·01	-	-	-	·17	·21		1
2	-	-	-	·12	-	-	·20	-	·04	-	·33	·20		2
3	-	-	-	·07	-	-	-	-	-	-	-	·11		3
4	-	·41	-	-	-	-	·06	·09	·01	·20	-	·21		4
5	-	·09	-	-	·13	-	·02	-	-	·56	·39	·66		5
6	-	·07	-	·25	-	-	·31	-	-	·07	·10	·01		6
7	·21	-	-	·02	·08	-	-	·20	·06	·04	-	-		7
8	-	-	·25	-	-	-	·07	·05	-	·73	·28	·20		8
9	-	-	·49	·01	-	-	·19	·12	·11	·41	·23	·02		9
10	-	-	·10	-	-	-	·05	-	-	·04	·12	-		10
11	-	-	1·06	-	-	-	·84	-	·03	-	·63	-		11
12	-	-	1·19	-	-	-	-	·03	·32	-	-	-		12
13	-	-	·09	-	-	-	·15	·04	·04	-	-	·07		13
14	-	-	·09	·18	-	-	·93	·06	·03	-	-	·24		14
15	-	-	·05	-	·26	-	-	-	-	·02	·02	·07		15
16	-	-	·04	-	-	-	·27	-	1·52	·26	-	·14		16
17	-	-	·24	-	-	-	·40	·08	·55	·03	·05	·08		17
18	-	-	·06	·05	-	-	·11	·20	·49	-	·01	·35		18
19	-	·10	·14	·20	-	-	·05	-	·28	·04	·37	-		19
20	-	·03	·04	·36	-	-	-	·12	·01	·10	·09	-		20
21	-	-	·16	·16	-	·49	-	-	·03	·08	-	-		21
22	-	·05	·01	-	·03	·24	-	-	·40	-	-	-		22
23	-	·08	·08	·09	·06	-	·05	-	-	-	·32	-		23
24	·14	·02	-	·01	·10	-	·02	·02	-	-	-	-		24
25	·58	-	-	-	·31	·06	·12	-	-	-	-	-		25
26	·08	·29	·03	-	·02	-	-	·05	·01	-	·16	-		26
27	·55	·06	-	-	·01	-	·01	-	-	-	-	·02		27
28	-	-	·02	·13	·02	-	-	·02	-	-	-	·08		28
29	-	-	·46	·04	-	·09	·05	-	-	·02	·09	·22		29
30	-	✕	·05	·01	·03	-	-	-	-	·14	-	·50		30
31	-	✕	·39	✕	·01	✕	-	-	✕	·12	✕	-		31
													Year's Total	
TOTAL	1·56	1·20	5·04	1·75	1·06	·91	3·91	1·08	3·93	2·86	3·36	3·39	30·05	
* Days with .01 in. or more.	5	10	21	16	12	4	20	13	16	16	16	18	167	
* Days with .04 in. or more.	5	8	18	12	6	4	16	10	10	13	14	15	131	

1·21

† Spare column, no entries required

* See Instruction 3 (f) on other side.

(*Signed*) R. Percival

[P.T.O.

3618

GELTSDALE

1931 - 40

780703

Station No. 3618

EOROLOGICAL OFFICE—AIR MINISTRY

INFALL IN 19~~5~~31.

Jan. 1, following

TERED TO THE PREVIOUS DAY

e on January 1st of the following year in the space
Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
1931	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·02	–	·05	–	–	·42	·12	–	·28	·45	–	–		1
2	–	·07	–	·44	–	·03	·13	–	–	·03	·20	·21		2
3	–	–	–	–	–	–	·32	–	·46	·12	1·65	·28		3
4	–	·07	–	·09	–	·19	–	–	·02	·05	·10	·10		4
5	–	–	–	–	·12	·30	·04	·02	·02	·04	–	·80		5
6	–	·40	·06	–	–	·15	·53	·24	·02	·36	·22			6
7	–	·12	·05	–	–	·20	–	·23	–	·15	·10	·10		7
8	·14	·10	·06	–	·06	·13	1·26	·06	·21	·15	·10	·03		8
9	·12	·18	·10	·02	·06	·25	–	·68	–	·62	·11	·01		9
10	·05	·15	·15	–	·29	–	–	·06	–	·27	·15	–		10
11	·42	·39	–	·16	–	–	·31	–	·06	–	·25	·03		11
12	·07	·05	–	·06	–	·10	·15	–	–	·06	·06	–		12
13	–	–	·60	·02	·28	·07	·27	–	–	–	–	·05		13
14	·10	·17	·02	·02	·06	1·74	·17	·12	–	–	·27	·05		14
15	·02	·54	–	·38	·01	·05	·06	·04	·05	–	–	–		15
16	·04	·03	–	·16	–	–	·09	·64	·25	–	–	–		16
17	–	·18	–	·12	–	·10	·59	·26	–	–	·20	–		17
18	·13	–	–	·06	–	·44	·10	–	·05	·01	·50	–		18
19	·12	·11	–	–	–	·03	·19	·58	·03	·03	–	–		19
20	–	·12	–	–	–	·02	–	·28	–	–	·15	–		20
21	·20	·13	·15	·02	·02	·05	·21	·34	–	–	–	·07		21
22	·15	·14	·01	·15	·11	·13	·40	–	–	–	–	–		22
23	·26	·01	–	·10	·09	·55	–	–	–	·21	·11	–		23
24	·05	·26	–	·12	·32	–	·43	–	–	–	·12	·31		24
25	·11	·10	–	·05	–	–	·02	–	–	–	·03	·07		25
26	·02	–	–	·13	–	–	–	–	–	·03	·41	·05		26
27	·10	·10	–	·28	–	·26	·36	–	–	·42	–	–		27
28	·38	·10	–	·15	·23	–	·23	–	–	–	–	–		28
29	·13	X	·05	·03	·05	–	·52	–	·05	·28	·04	·06		29
30	·14	X	–	–	·40	·03	·36	–	·05	·29	–	–		30
31	·03	X	–	X	–	X	–		X	–	X	·11		31
99 TOTAL	2·80	3·52	1·30	2·56	2·10	5·24	6·86	3·55	1·55	3·57	4·77	2·33	Year's Total 40·15	
*Days with .01 in. or more.													✓	
*Days with .04 in. or more.														

*See Instruction 3(*g*) on other side. †Spare column, no entries required, except year's total.

(*Signed*).. (P.T.O.)

Station No. 3618

EOROLOGICAL OFFICE—AIR MINISTRY

REGISTER OF RAINFALL IN 19~~5~~31.

Kept at Geltsdale

in the County of

Diameter of funnel of gauge in.

Height of top of gauge above ground ft. in.

Height of ground above sea level ft.

Jan. 1, following

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
1931	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·02	–	·05	–	–	·42	·12	–	·28	·45	–	–		1
2	–	·07	–	·44	–	·03	·13	–	–	·03	·20	·21		2
3	–	–	–	–	–	–	·32	–	·46	·12	1·65	·28		3
4	–	·07	–	·09	–	·19	–	–	·02	·05	·10	·10		4
5	–	–	–	–	·12	·30	·04	·02	·02	·04	–	·80		5
6	–	·40	·06	–	–	·15	·53	·24	·02	·36	·22			6
7	–	·12	·05	–	–	·20	–	·23	–	·15	·10	·10		7
8	·14	·10	·06	–	·06	·13	1·26	·06	·21	·15	·10	·03		8
9	·12	·18	·10	·02	·06	·25	–	·68	–	·62	·11	·01		9
10	·05	·15	·15	–	·29	–	–	·06	–	·27	·15	–		10
11	·42	·39	–	·16	–	–	·31	–	·06	–	·25	·03		11
12	·07	·05	–	·06	–	·10	·15	–	–	·06	·06	–		12
13	–	–	·60	·02	·28	·07	·27	–	–	–	–	·05		13
14	·10	·17	·02	·02	·06	1·74	·17	·12	–	–	·27	·05		14
15	·02	·54	–	·38	·01	·05	·06	·04	·05	–	–	–		15
16	·04	·03	–	·16	–	–	·09	·64	·25	–	–	–		16
17	–	·18	–	·12	–	·10	·59	·26	–	–	·20	–		17
18	·13	–	–	·06	–	·44	·10	–	·05	·01	·50	–		18
19	·12	·11	–	–	–	·03	·19	·58	·03	·03	–	–		19
20	–	·12	–	–	–	·02	–	·28	–	–	·15	–		20
21	·20	·13	·15	·02	·02	·05	·21	·34	–	–	–	·07		21
22	·15	·14	·01	·15	·11	·13	·40	–	–	–	–	–		22
23	·26	·01	–	·10	·09	·55	–	–	–	·21	·11	–		23
24	·05	·26	–	·12	·32	–	·43	–	–	–	·12	·31		24
25	·11	·10	–	·05	–	–	·02	–	–	–	·03	·07		25
26	·02	–	–	·13	–	–	–	–	–	·03	·41	·05		26
27	·10	·10	–	·28	–	·26	·36	–	–	·42	–	–		27
28	·38	·10	–	·15	·23	–	·23	–	–	–	–	–		28
29	·13	X	·05	·03	·05	–	·52	–	·05	·28	·04	·06		29
30	·14	X	–	–	·40	·03	·36	–	·05	·29	–	–		30
31	·03	X	–	X	–	X	–		X	–	X	·11		31
99 TOTAL	2·80	3·52	1·30	2·56	2·10	5·24	6·86	3·55	1·55	3·57	4·77	2·33.	Year's Total 40·15	
*Days with .01 in. or more.													✓	
*Days with .04 in. or more.														

*See Instruction 3(*g*) on other side.

†Spare column, no entries required, except year's total.

(*Signed*) (P.T.O.)

Section **A** for the entry of Daily Observations

Station No. 3618

METEOROLOGICAL OFFICE—AIR MINISTRY

FORM 1090

REGISTER OF RAINFALL IN 19~~5~~32

Kept at Geltsdale

in the County of

Diameter of funnel of gauge .... in.

Height of top of gauge above ground .... ft. .... in.

Height of ground above sea level .... ft.

Jan. 1, following

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph. **Please read Notes and Instructions Overleaf**

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
1932	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·24	–	–	·21	–	–	·02	–	·85	·14	·23	·30		1
2	·32	·02	–	–	·15	–	·22	·03	·50	·11	·23	·17		2
3	·29	·03	–	·07	–	–	·06	·01	·12	–	·10	·15		3
4	·05	–	·03	–	–	–	·38	·06	–	·05	–	·08		4
5	·15	–	·50	·15	·08	–	·01	·02	·34	–	–	–		5
6	·41	–	·20	·10	–	–	–	·04	·32	·55	–	·05		6
7	–	–	·44	·20	·13	·08	–	–	·16	·22	–	–		7
8	–	–	–	·14	–	–	–	–	·32	·88	–	–		8
9	·56	·03	–	·42	·32	–	–	–	·16	·30	–	·02		9
10	–	·11	·05	·08	–	–	–	–	·68	·36	–	·08		10
11	·10	–	–	·05	·31	·11	·48	·08	·03	–	–	–		11
12	·15	–	·04	–	·62	·02	·05	·34	–	·25	–	–		12
13	·07	·05	·03	·18	·14	–	·02	–	·70	·11	–	·02		13
14	·32	–	–	·17	–	–	–	–	–	·06	–	·09		14
15	·11	–	–	–	·63	–	–	–	–	·08	·03	·02		15
16	·50	–	–	–	–	–	–	–	–	·17	·10	·51		16
17	–	–	–	–	·14	–	·10	·11	·03	·50	·01	·03		17
18	–	–	–	–	·04	–	–	–	–	–	–	·02		18
19	–	–	·19	·36	·04	–	·10	–	–	·12	–	·01		19
20	·04	–	·06	·11	–	–	–	·71	–	·11	·09	–		20
21	·09	·01	·65	·30	·01	–	·17	·15	–	·35	·15	·03		21
22	–	–	·14	·19	–	–	·13	–	–	·11	·66	·01		22
23	–	·01	–	·15	–	–	·06	–	·09	·16	·15	·05		23
24	·10	·02	–	–	·02	·05	·10	–	·26	–	·02	–		24
25	–	·09	–	·04	·20	·11	–	–	·28	·27	·12	–		25
26	–	·02	–	–	·07	·02	·80	–	·32	·34	·07	–		26
27	–	–	·21	·01	·03	·55	·75	·11	–	·15	·05	·08		27
28	–	–	·07	·11	·45	–	·02	–	–	·02	·03	·01		28
29	·03	–	·70	–	·04	·32	·88	·11	·03	·36	·27	·14		29
30	–	X	·23	–	–	·10	·18	·23	·52	·03	·11	·04		30
31	·07	X	·05	X	–	X	·03	–	X	·01	X	–		31
TOTAL	3·60	·39	3·59	3·04	3·42	1·36	4·56	2·00	5·71	5·81	2·42	1·91	Year's total 37·81	
*Days with .01 in. or more.														
*Days with .04 in. or more.														

*See Instruction 3(*g*) on other side.

†Spare column, no entries required, except year's total.

(*Signed*) ....

(P.T.O.)

Section **A** for the entry of Daily Observations

Station No. 3618

METEOROLOGICAL OFFICE—AIR MINISTRY

FORM 1090

REGISTER OF RAINFALL IN 19~~5~~33

Kept at Gettsdale.

in the County of

Diameter of funnel of gauge .... in.

Height of top of gauge above ground .... ft. .... in.

Height of ground above sea level .... ft.

Jan. 1, following

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph. **Please read Notes and Instructions Overleaf**

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
1933	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·04	·10	·08	–	–	–	–	·04	–	–	·17	–		**1**
2	·63	·02	·05	·05	·06	·25	–	·02	–	–	–	–		**2**
3	·08	·31	·15	·05	·20	–	–	–	–	–	·13	–		**3**
4	·54	·32	·08	–	–	–	–	–	–	–	·01	–		**4**
5	·15	·28	·05	–	–	–	–	–	–	–	·02	–		**5**
6	–	·15	·16	–	·71	–	–	–	–	–	–	·08		**6**
7	·03	·27	–	–	·06	–	·37	·02	–	·58	·01	–		**7**
8	·22	·02	·41	·48	·05	·04	·05	·01	–	·08	–	·09		**8**
9	–	·20	–		·03	·40	·34	–	–	·90	·12	·02		**9**
10	·38	·02	–	–	·02	·03	·08	–	–	·06	–	–		**10**
11	·01	–	–	·08	–	·02	·11	–	–	·27	–	·19		**11**
12	·10	·03	–	–	–	–	·34	–	–	–	–	–		**12**
13	–	–	·10	–	·05	–	·41	·21	·06	·14	·13	–		**13**
14	·36	–	·05	–	·02	·07	·09	·03	–	–	·42	·02		**14**
15	–	–	·19	·04	–	·17	–	–	–	·36	·25	–		**15**
16	·04	–	·35	·31	·20	·66	·55	·03	–	–	·11	·05		**16**
17	·06	·03	·07	·02	·03	·39	–	·20	·12	–	·40	–		**17**
18	·02	–	·18	·02	–	·07	–	·30	–	–	·11	·06		**18**
19	–	–	·14	–	–	–	–	·13	–	–	–	–		**19**
20	–	·30	–	–	·23	–	–	·03	·10	·10	–	–		**20**
21	–	–	–	–	–	·08		·09	·25	·08	·02	–		**21**
22	–	–	–	–	·67	·10	–	·16	–	·13	–	–		**22**
23	–	–	–	–	·02	·07	–	·01	·08	·03	–	–		**23**
24	–	·08	–	·14	·18	–	·05	·02	·19	·03	·10	·03		**24**
25	–	·10	–	·04	·05	–	·21	·05	·31	–	–	·10		**25**
26	–	·52	–	·10	–	–	–	–	·05	·17	–	·06		**26**
27	–	·02	–	·06	–	–	·37	–	–	·10	–	·03		**27**
28	–	–	–	·02	–	–	·14	·87	–	·38	–	–		**28**
29	–	X	·06	·22	–	–	·27	·09	–	·20	–	·04		**29**
30	·18	**X**	·25	·02	·15	–	·53	·30	·03	·22	–	·25		**30**
31	·48	**X**	–	**X**	–	**X**	–	·20	**X**	–	**X**	·10		**31**
99 TOTAL	3·32	2·77	2·37	1·65	2·73	2·35	3·91	2·81	1·19	3·83	2·00	1·12	Year's total 30·05	
*Days with .01 in. or more.														
*Days with .04 in. or more.													✓	

*See Instruction 3(*g*) on other side. †Spare column, no entries required, except year's total.

(*Signed*) .... (P.T.O.)

Section **A** for the entry of Daily Observations — Station No. 3618

AIR MINISTRY—METEOROLOGICAL OFFICE—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 19~~5~~34.

Kept at Geltsdale.

in the County of

Diameter of funnel of gauge .... in.

Height of top of gauge above ground .... ft. .... in.

Height of ground above sea level .... ft.

Jan. 1, following

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
1934	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·12	–	·14	·04	·08	–	–	·03	·08	–	–	·19		1
2	–	–	·18	–	–	–	–	·77	·11	–	·13	·48		2
3	·25	·01	·03	–	–	–	–	·06	–	·05	·14	·13		3
4	·47	–	·02	·05	–	–	–	–	·03	·06	·08	·41		4
5	–	–	·17	·03	·44	·07	–	·07	–	·04	·01	·06		5
6	·25	·02	·12	·09	·61	·24	–	·21	·05	·16	–	·13		6
7	·35	·07	·19	·11	·04	·10	–	–	–	·15	–	·18		7
8	–	–	–	–	·09	–	–	·12	·04	·31	–	·17		8
9	·07	·02	·01	·48	–	–	–	·25	·17	·10	·37	–		9
10	·06	–	·16	·11	–	–	–	·70	·04	·02	·23	–		10
11	·35	–	·16	·36	–	–	–	·04	–	–	·02	·06		11
12	–	–	·08	·20	–	–	·40	·05	–	·06	·04	·07		12
13	·23	–	–	·03	–	–	·77	–	–	·17	·01	·04		13
14	·45	–	·23	–	–	·06	·04	–	–	·13	·03	·03		14
15	·18		·09	–	·06	–	·12	·28	·28	·33	·05	·08		15
16	·62	–	·19	–	·78	–	·02	–	–	·04	·04	·01		16
17	·06	–	·22	·03	·16	–	·27	–	·42	·02	·04	·30		17
18	·78	–	·19	·11	·08	·44	·22	·20	·06	·01	–	·25		18
19	–	–	·14	·20	·15	·33	·02	–	·12	·36	·10	·06		19
20	–	–	·03	·17	·20	·13	–	·38	·15	·12	·07	–		20
21	–	–	·01	·04	·28	·75	–	·18	·15	·04	·02	–		21
22	–	–	·05	·02	·12	·46	·07	·42	·35	·02	·11	·02		22
23	–	–	·06	·36	–	–	·47	–	–	·40	·15	–		23
24	–	·13	–	·11	–	–	·07	–	·09	·43	·03	–		24
25	–	–	·03	·10	·17	–	·11	–	·10	·33	·02	·61		25
26	·09	–	–	·14	–	·29	·09	–	·12	·16	–	·04		26
27	–	–	–	·04	–	·60	·07	–	–	·41	–	·16		27
28	–	–	–	·20	–	·06	·24	·39	·04	·11	–	·38		28
29	–	×	·08	–	–	–	·14	·16	·72	·84	–	·08		29
30	·46	×	–	–	–	–	·01	·11	·10	·45	–	·32		30
31	·01	×	–	×	–	×	–	–	×	–	×	·06		31
TOTAL	4·80	0·25	2·58	3·02	3·26	3·53	3·13	4·42	3·22	5·32	1·69	4·32	Year's Total 39·54	
*Days with .01 in. or more.													✓	
*Days with .04 in. or more.														

*See Instruction 3(g) on other side. †Spare column, no entries required, except year's total.

(*Signed*) .... (P.T.O.)

Section **A** for the entry of Daily Observations

Station No. 3618

AIR MINISTRY—METEOROLOGICAL OFFICE—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 19~~5~~35.

Kept at Coltsdale

in the County of

Diameter of funnel of gauge .... in.

Height of top of gauge above ground .... ft. .... in.

Height of ground above sea level .... ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
1935.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·90	·06	·01	—	—	—	·35	—	·38	·09	·03	·43		1
2	·01	·14	·03	—	—	·05	·05	—	·41	·15	·03	—		2
3	·04	·68	·12	·06	—	·14	·18	—	—	—	·21	·10		3
4	—	—	·05	—	—	·17	·27	—	·02	·19	—	·04		4
5	—	·78	·08	—	—	·10	·07	—	—	·06	·10	·02		5
6	·03	·08	·01	—	—	·35	—	—	—	·27	·04	—		6
7	·02	—	—	·10	—	·22	—	—	—	·15	·10	·13		7
8	—	—	—	·20	—	·25	—	·02	—	·60	—	·25		8
9	·05	·06	—	·26	—	·02	—	—	—	·65	·11	—		9
10	·10	·48	—	·09	—	·06	·07	—	—	·07	·06	—		10
11	·30	·03	—	·05	—	·05	—	·22	—	·08	·05	·01		11
12	—	·11	—	—	·02	·22	—	—	·10	·10	·03	—		12
13	·15	·07	—	·01	·36	·16	—	·02	·11	·03	·03	—		13
14	—	·06	—	—	—	·22	·02	·06	·02	—	·10	·24		14
15	—	·45	—	·30	·23	1·27	—	—	·25	·54	·02	·18		15
16	—	·53	·08	1·31	·33	·16	·33	·14	·29	·04	·32	·03		16
17	—	—	—	·68	·02	·14	·04	·03	·10	·12	·29	—		17
18	·06	·07	—	·26	—	·05	·23	·28	·24	·35	—	—		18
19	—	·06	—	·03	—	·11	·54	—	·09	·12	·15	—		19
20	·01	·23	—	·07	—	·06	·01	—	—	—	·01	—		20
21	—	—	·16	·02	—	—	—	—	·40	·35	·02	·05		21
22	—	·23	·20	·27	—	—	—	—	·12	—	·04	—		22
23	·10	·26	·10	·04	—	—	·02	·18	—	·46	—	—		23
24	·13	·35	·17	—	—	—	—	—	·34	·05	·01	·20		24
25	·10	—	·02	—	—	·04	·06	—	—	—	·08	·02		25
26	—	—	·01	—	—	·20	·04	·98	·12	·35	·02	·10		26
27	—	·18	—	—	—	·03	·24	·01	·18	·55	·29	·06		27
28	—	—	—	—	—	—	·01	·08	·14	·67	·03	·10		28
29	·07	×	·22	—	—	·20	—	·20	·46	·21	1·14	·05		29
30	·09	×	·03	—	—	·04	—	·33	·10	·36	·17	·20		30
31	·07	×	—	×	—	×	—	—	×	·07	×	·05		31
99 TOTAL	2·23	4·91	1·29	3·72	·96	4·31	2·53	2·55	3·87	6·68	3·48	2·26	Year's Total 38·79 ✓	
*Days with .01 in. or more.														
*Days with .04 in. or more.														

*See Instruction 3(g) on other side. †Spare column, no entries required, except year's total.

(*Signed*) .... (P.T.O.)

Section **A** for the entry of Daily Observations

Station No. 3618

AIR MINISTRY—METEOROLOGICAL OFFICE—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 19~~5~~36

Kept at Geltsdale

in the County of

Diameter of funnel of gauge in.

Height of top of gauge above ground ft. in.

Height of ground above sea level ft.

Jan. 1, following

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
1936.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·06	·36	·16	–	–	·13	·22	·59	·13	–	·07	·05		1
2	·02	·03	·04	–	–	·03	·03	·10	·04	–	·13	·09		2
3	·02	–	–	–	–	·19	–	·04	·48	–	–	·12		3
4	·11	–	·19	–	–	·02	·17	·03	·34	–	·38	1·03		4
5	·05	–	·08	–	–	·01	–	·10	·10	–	·08	·58		5
6	·04	–	·05	–	–	–	·59	·14	·43	–	·06	–		6
7	·01	–	·02	–	–	–	·03	–	·30	–	·30	·08		7
8	·12	–	·12	–	–	–	–	–	–	–	·11	–		8
9	·47	–	–	–	–	·03	·33	·07	·13	·03	·12	–		9
10	·19	–	–	·01	–	–	·03		·04	·02	·29	–		10
11	·09	–	–	·12	–	·05	·30	·16	·04	·03	·50	·15		11
12	·01	–	–	·14	–	·06	·06	·10	·42	–	·07	·13		12
13	–	–	–	·24	·03	·07	–	·01	–	·26	·02	1·12		13
14	–	–	–	·10	–	·28	–	·09	·22	·05	·18	·88		14
15	–	–	·02	·02	·01	·19	·01	·06	·02	·10	·13	·18		15
16	–	–	·08	–	–	·14	–	–	–	·22	·57	·03		16
17	·07	·12	–	·14	·10	–	·32	·03	–	·17	·28	·26		17
18	·14	·04	–	·15	–	–	·29	·12	–	·35	–	–		18
19	·34	·43	–	–	–	–	·42	–	–	·02	–	·06		19
20	·03	·11	·10	·03	–	–	·33	–	–	·08	–	·02		20
21	·07	·17	·04	·05	–	–	–	·03	–	·03	–	·01		21
22	·12	·38	·02	–	·03	·93	–	–	–	·01	–	–		22
23	–	·48	·07	–	·02	–	·27	·02	–	·11	–	–		23
24	–	·06	–	·17	·19	·03	·19	–	·58	·85	–	–		24
25	·25	–	–	·05	·01	–	·74	–	·30	·30	–	·05		25
26	·04	·12	·02	·03	–	–	·04	–	·12	·40	–	–		26
27	·21	·06	·03	·03	–	–	–	–	–	·21	·05	–		27
28	·21	·52	·02	·01	·03	–	·20	–	–	–	·02	·02		28
29	·18	·03	·22	–	·18	·84	·04	–	–	·50	·10	·02		29
30	·06	×	·12	–	·07	–	·29	·04	–	·16	–	·12		30
31	·20	×	–	×	·02	×	–	–	×	–	×	·05		31
99 TOTAL	3·11	2·91	1·40	1·29	·69	3·00	4·90	1·73	3·69	3·90	3·46	5·05	Year's Total 35·13	
*Days with .01 in. or more.													✓	
*Days with .04 in. or more.														

*See Instruction 3(g) on other side.

†Spare column, no entries required, except year's total.

(*Signed*) (P.T.O.)

Section **A** for the entry of Daily Observations

Station No. 3618

BRITISH RAINFALL ORGANIZATION—METEOROLOGICAL OFFICE—AIR MINISTRY

FORM 1090

REGISTER OF RAINFALL IN 1937.

Kept at Geltsdale

in the County of

Diameter of funnel of gauge ..... in.

Height of top of gauge above ground ..... ft. ..... in.

Height of ground above sea level ..... ft.

Jan. 1, following

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
1937.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·10	·03	·19	–	–	·35	·15	–	·62	·18	–	·04		1
2	·12	·47	·02	·16	–	·08	–	–	·03	·02	–	·04		2
3	–	·33	–	·01	·08	·58	·20	–	–	–	–	·03		3
4	·41	–	·03	·14	·16	·02	·13	–	·33	–	–	·22		4
5	·33	–	·07	·16	·09	·02	·17	–	·38	–	–	·22		5
6	·10	–	–	·05	·07	·05	·05	·03	·13	·04	·01	–		6
7	–	·16	·02	·26	·19	·02	·02	–	·12	·02	·13	·29		7
8	–	·30	·03	·14	–	·02	·32	·02	·02	·02	–	·06		8
9	–	–	·03	·01	·02	·08	·18	·07	–	–	–	–		9
10	·02	·11	–	–	·11		·05	–	–	–	–	·57		10
11	·02	–	·06	–	–	–	–	–	·05	–	–	·73		11
12	·56	·30	·29	·03	·02	·09	·03	·33	·13	·01	–	·10		12
13	·03	·32		–	–	·10	·07	·10	–	·03	–	·67		13
14	–	·07	–	–	–	·03	·26	·72	·07	·02	–	–		14
15	·15	·55	–	·05	–	–	·25	–	·25	–	–	·02		15
16	·07	·33	·29	·63	–	–	–	·23	·01	·01	–	–		16
17	·21	·07	·08	·07	–	·06	–	·03	·90	–	–	–		17
18	–	·17	·05	·04	–	·14	·10	·29	·05	–	·20	–		18
19	·17	·10	·04	·10	·25	·05	–	·02	·04	–	·49	–		19
20	·27	–	·02	·04	·85	·02	·05	–	–	·02	·05	·10		20
21	·18	·04	·07	·26	·22	–	·47	–	–	·07	·09	·21		21
22	·08	–	·06	·10	·34	–	·12	–	–	–	·03	·15		22
23	·05	–	–	·01	·14	–	·31	–	·12	·70	–	·03		23
24	·15	·03	–	–	–	–	·22	–	·25	·14	·02	·03		24
25	·04	·23	·04	–	–	–	–	–	–	·05	·02	·01		25
26	·06	·32	·03	–	·65	–	–	–	–	·05	·01	–		26
27	·01	·45	·01	·30	–	·02	–	–	·11	·68	–	·02		27
28	·03	–	–	–	–	·13	–	–	–	·06	–	·04		28
29	·07	X	–	–	–	·11	–	–	·02	·07	·26	·05		29
30	·27	X		–	·02	·04	–	·12	·03	·13	·02	·04		30
31	·04	X	–	X	·01	X	–	·16	X	·02	X	–		31
TOTAL 99	3·54	4·38	1·43	2·56	3·22	2·01	3·15	2·12	3·66	2·34	1·33	3·67	Year's Total 33·41	
*Days with .01 in. or more.														
*Days with .04 in. or more.														

*See Instruction 3(*g*) on other side. †Spare column, no entries required, except year's total.

(*Signed*) ..... (P.T.O.)

Section **A** for the entry of Daily Observations
Station No. 3618

AIR MINISTRY—METEOROLOGICAL OFFICE—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 19~~3~~38

Kept at Gettsdale
in the County of Cumberland
Diameter of funnel of gauge 5 in.
Height of top of gauge above ground 1 ft. 2 in.
Height of ground above sea level 778 ft.

Jan. 1, following

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	*Date*
38	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	—	·19	—	·18	—	1·24	·03	—	·17	—	·09	·36		1
2	·04	·08	—	·12	—	·04	·01	—	·24	·72	·50	·30		2
3	·03	·02	—	·02	—	·07	·35	—	·28	·86	·19	—		3
4	—	·02	—	·10	—	·11	·30	—	—	·28	·08	·70		4
5	·03	·05	—	·01	—	·04	·10	·01	·04	·53	·04	·02		5
6	·30	—	·04	·05	—	·03	·03	·05	—	·38	·04	·01		6
7	·12	—	—	—	—	—	·34	·04	·07	·12	·32	·02		7
8	·05	·12	—	—	—	·08	·24	·03	—	·47	·90	·06		8
9	·12	·18	·01	—	·14	·09	·03	—	—	·04	—	·35		9
10	·07	·02	·01	—	—	·13	·24	—	·02	·26	·01	·01		10
11	·08	·04	—	—	·04	·04	·18	—	·08	·11	·08	·03		11
12	·11	—	—	—	·08	—	·14	·07	·01	1·14	·83	·04		12
13	·08	·03	—	—	·03	—	·23	·02	·09	·08	·15	·10		13
14	·57	·01	—	—	·05	—	—	—	—	·02	·01	·03		14
15	·21	·04	·11	—	·15	—	·03	·84	·01	·37	·02	·12		15
16	·13	—	·07	—	·16	—	—	·16	·08	·30	—	—		16
17	—	—	·04	—	·01	—	·10	·15	·48	·50	—	—		17
18	·07	·03	·04	—	—	·15	—	·21	·16	·36	·33	·08		18
19	·10	·01	·27	—	—	·01	·01	·65	·02	·01	·06	·20		19
20	·21	—	·66	·01	·03	—	—	·30	·07	—	·01	·04		20
21	—	—	—	·03	—	·07	—	·15	·10	—	·53	·02		21
22	·02	·03	—	·01	·03	—	—	—	—	—	·25	·07		22
23	·05	—	·04	·01	·43	·38	—	·04	·03	—	·63	—		23
24	·13	—	·02	—	—	·16	·02	·20	·10	·25	·14	—		24
25	·09	—	·13	—	·26	—	1·54	—	—	·25	·20	·10		25
26	·10	·39	·24	·01	·11	·13	·18	—	—	·45	·05	·07		26
27	·19	·18	·01	·02	·09	·40	·25	·19	·02	·04	·13	—		27
28	·32	—	·07	—	·77	·55	·03	·03	—	—	·04	·13		28
29	·11	×	·02	·02	·18	·11	·20	—	·21	·24	·68	·19		29
30	·25	×	·05	—	·34	·07	·18	—	·22	·16	·08	·07		30
31	·07	×	·17	×	·04	×	—	—	×	·05	×	·05		31
99 TOTAL	3·65	1·44	2·00	·59	2·94	3·90	4·76	3·14	2·50	7·99	6·39	3·17	Year's Total 42·47	
*Days with .01 in. or more.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
*Days with .04 in. or more.														

*See Instruction 3(g) on other side. †Spare column, no entries required, except year's total.

(*Signed*) (P.T.O.)

Section **A** for the entry of Daily Observations

Station No. 3618

BRITISH RAINFALL ORGANIZATION—METEOROLOGICAL OFFICE—AIR MINISTRY

FORM 1090

REGISTER OF RAINFALL IN 19~~3~~39

Kept at Geltsdale

in the County of Cumberland

Diameter of funnel of gauge 5 in.

Height of top of gauge above ground 1 ft. 2 in.

Height of ground above sea level 778 ft.

Jan. 1, following

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
39	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·30	—	·09	—	—	—	·10	·15	·06	·04	—	·23		1
2	·04	—	·07	·02	—	—	·16	·52	·29	—	·01	·04		2
3	·02	—	·05	·13	—	—	·05	·13	—	·01	·03	·22		3
4	—	·02	·47	·04	—	—	·38	·05	—	·01	·03	·03		4
5	—	·02	·06	—	·06	—	·45	·05	—	·09	·23	·04		5
6	·16	·04	·14	—	·01	—	·16	—	—	—	·21	—		6
7	·36	·18	·44	—	·09	—	·06	—	·07	—	·08	·03		7
8	1·57	·38	·26	·44	—	—	·10	·12	·09	—	·15	·34		8
9	·25	·24	—	·10	—	—	·35	·69	·19	·17	·01	·21		9
10	·12	·04	·06	—	—	·26	—	·08	·57	·07	·04	·01		10
11	·08	·27	·37	—	·03	·15	—	·03	—	·03	·09	—		11
12	·04	·17	—	—	—	·03	—	—	·10	·48	·01	—		12
13	·06	—	·03	·13	·15	·01	·22	—	·03	·26	·19	—		13
14	·17	·03	·01	·09	·24	·45	·23	—	—	·11	·43	—		14
15	·41	·02	·08	·09	·01	·47	·01	—	—	—	·07	—		15
16	·35	·04	·04	·03	—	—	·03	—	—	—	·24	—		16
17	·12	·08	—	·06	·03	·01	—	—	—	—	·06	—		17
18	·12	·12	·24	—	·02	·07	·07	—	—	·03	·64	—		18
19	·10	—	—	—	·02	·15	—	—	—	—	·01	·02		19
20	·06	—	·02	—	·04	·09	—	—	·01	—	—	—		20
21	·11	·12	·07	·08	·03	—	—	·11	·02	·01	—	—		21
22	·17	·10	·07	—	—	—	·24	—	—	·11	·33	·01		22
23	·07	·43	·04	·31	—	·06	·02	·01	·01	·01	—	·01		23
24	—	·08	·51	·32	—	·06	—	—	—	—	·12	·03		24
25	·25	·06	·05	·03	—	·05	—	·14	—	—	·72	·06		25
26	·02	·10	·06	—	—	—	—	·15	—	·84	·10	·01		26
27	·01	·39	·20	·05	—	·12	·16	·04	—	·13	·11	—		27
28	·05	—	·42	·06	—	·48	·27	—	—	·02	·33	·02		28
29	—	X	·04	·02	—	·62	·48	—	—	·31	·23	—		29
30	—	x	—	·01	—	·10	·56	·01	—	·02	·56	—		30
31	—	x	—	x	—	x	·04		x	·01	x			31
TOTAL 99	501	2·93	3·89	2·01	·73	3·18	4·14	2·28	1·44	2·76	5·03	1·31	Year's Total 34·71	
*Days with .01 in. or more.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
*Days with .04 in. or more.														

*See Instruction 3(*g*) on other side.   †Spare column, no entries required, except year's total.

(*Signed*)............ (P.T.O.)

Section **A** for the entry of Daily Observations

Station No. 3618

BRITISH RAINFALL ORGANIZATION—METEOROLOGICAL OFFICE—AIR MINISTRY

FORM 1090

REGISTER OF RAINFALL IN 1940

Kept at Geltsdale
in the County of Cumberland
Diameter of funnel of gauge 5 in.
Height of top of gauge above ground 1 ft. 2 in.
Height of ground above sea level 778 ft.

Jan. 1, following

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
40	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	—	—	—	·06	—	—	·04	—	—	—	·08	·25		1
2	—	—	—	·10	—	—	·51	—	·04	—	·27	·10		2
3	—	·03	—	·04	—	—	·01	—	—	—	·01	·05		3
4	—	·10	—	·03	—	—	·45	—	·05	·15	·02	·25		4
5	—	—	—	·01	·34	—	·43	·02	·03	·70	·06	·53		5
6	·03	·03	—	·04	—	—	·05	·02	—	·31	·10	·30		6
7	·07	·03	—	·16	·02	—	·08	·26	·18	—	·03	·05		7
8	—	—	·29	—	—	—	—	·20	·13	·35	·06	·10		8
9	—	—	1·04	·01	—	—	·64	·37	·19	·24	·26	·27		9
10	—	—	·05	—	—	—	·64	·46	—	·02	·29	—		10
11	—	·04	·86	·04	—	—	·57	—	·18	—	·90	—		11
12	—	·02	·46	—	—	·07	·03	·07	·24	—	·01	—		12
13	—	—	·07	·03	—	—	·13	·03	·18	—	·04	·03		13
14	—	·04	·06	·22	—	—	·32	·09	·09	—	—	·13		14
15	·02	—	·02	·02	·02	—	—	—	—	—	·10	·03		15
16	·10	—	·01	·02	—	—	·35	·01	2·07	·25	·03	·06		16
17	—	—	·11	—	—	—	1·40	·12	·24	·03	·35	·11		17
18	·02	·02	·46	·08	—	—	·11	·40	·40	—	·03	·44		18
19	·04	·17	·32	·05	—	—	·10	—	·36	—	·31	·05		19
20	—	—	·10	—	—	—	·19	·74	·05	·10	·12	—		20
21	—	—	·18	·08	—	·52	·13	·04	·02	·07	·03	—		21
22	—	·06	·05	—	·19	·26	—	·02	·55	·05	·01	—		22
23	—	·13	·04	·42	·02	·01	·23	—	·03	·05	·20	·02		23
24	—	·02	—	·34	·25	·02	·13	·01	·01	·04	·01	·03		24
25	1·38	—	—	—	·58	·01	·01	—	—	·02	—	—		25
26	·03	·03	—	—	·74	·07	—	·27	·02	—	·06	—		26
27	·02	·04	·01	·48	·01	—	·04	—	—	·02	—	·01		27
28	·03	·06	·02	—	·31	—	·02	·16	—	—	—	·08		28
29	—	—	·20	·02	·18	·02	·12	—	—	·13	—	·53		29
30	—	X	—	—	·07	—	—	—	—	·16	·02	·38		30
31	—	X	·10	X	·02	X	—	—	X	·20	X	·12		31
TOTAL 49	1·74	·82	4·45	2·25	2·75	·98	6·73	3·29	5·06	2·89	3·40	3·92	Year's Total 38·28	
*Days with .01 in. or more.													✓	
*Days with .04 in. or more.														

*See Instruction 3(*g*) on other side.

†Spare column, no entries required, except year's total.

(*Signed*) .... (P.T.O.)

✓ ✓ ✓ 3618

Section | **A** | for the entry of Daily Observations. COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1931.

Kept at Geltsdale

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft 2 in.

,, Ground ,, Sea Level 778 ft.

100

400

WD

Corr. for WD.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ·11

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1		·03	·10				·03			·05			1
2	·02		·05				·12		·28	·45			2
3		·07		·44		·42	·13			·03	·20	·21	3
4						·03	·32		·46	·12	1·65	·28	4
5		·07		·09					·02	·05	·10	·10	5
6					·12	·19	·04	·02	·02	·04		·80	6
7		·40	·06			·30	·53	·24	·02	·36	·22		7
8		·17	·05			·15		·23		·15	·10	·10	8
9	·14	·10	·06		·06	·20	1·26	·06	·21	·15	·10	·03	9
10	·12	·18	·19	·02	·06	·13		·68		·62	·11	·01	10
11	·05	·15	·15		·29	·25		·06		·27	·15		11
12	·42	·39		·16			·31		·06		·25	·03	12
13	·07	·05		·06		·10	·15			·06	·06		13
14			·60	·02	·28	·07	·27					·05	14
15	·10	·17	·07	·02	·06	1·74	·17	·12			·27	·05	15
16	·02	·54		·38	·01	·05	·06	·04	·05				16
17	·04	·03		·16			·09	·64	·25				17
18		·18		·12		·10	·59	·26			·20		18
19	·13			·06		·44	·10		·05	·01	·50		19
20	·12	·11				·03	·19	·58	·03	·03			20
21		·12				·02		·28			·15	·07	21
22	·20	·13	·15	·02	·02	·05	·21	·34					22
23	·15	·14	·01	·15	·11	·13	·40						23
24	·26	·01		·10	·09	·55				·21	·11	·31	24
25	·05	·26		·05	·32		·43				·12	·07	25
26	·11	·10		·12			·02				·03	·05	26
27	·02			·13						·03	·41		27
28	·10	·10		·28		·26	·36			·42			28
29	·38	×		·15	·23		·23					·06	29
30	·13	×	·05	·03	·05		·52		·05	·28	·04		30
31	·14	× ·10	–	× –	·40	× ·03	·36	–	× ·05	·29	× –	·11	31
TOTAL	·03 2·80 ~~2·77~~	3·52 ~~3·45~~	1·30 ~~1·40~~	2·56 ~~2·56~~	2·10 ✓	5·24 ~~5·21~~	6·86 ~~6·89~~	3·55 ✓	1·55 ~~1·50~~	3·57 ~~3·67~~	4·77 ✓	2·33 ~~2·22~~	YEAR'S TOTAL 40·~~04~~15
*Days with ·01 in. or more.	22 ~~21~~	22 ✓	11 ~~12~~	20 ✓	14 ✓	21 ~~20~~	23 ~~24~~	13 ✓	~~12~~ 13	18 ~~19~~	19 ✓	16 ~~15~~	~~211~~ 212
*Days with ·04 in. or more.	18 ✓	20 ~~19~~	9 ~~10~~	15 ✓	12 ✓	17 ✓	22 ✓	12 ✓	~~8~~ 9	14 ~~15~~	18 ✓	13 ~~12~~	~~178~~ 179

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M

*See Instruction 2 (A) on other side.

(Signed) Percy Dalton [P.T.O.

City Surveyor & Water Engineer, Carlisle.

3618

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3618

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

Kept at Geltsdale

in the County of Cumberland

Diameter of Funnel of Gauge five in.

Height of top of Gauge above Ground 1 ft 2 in.

,, Ground ,, Sea Level 778 ft.

100 400

Corr'd. for WD

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following: Nil.

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·11	·07		·05			·10	·03		·52	·01	·11	1
2	·24			·21			·02		·85	·14	·23	·30	2
3	·32	·02			·15		·22	·03	·50	·11	·23	·17	3
4	·29	·03		·07			·06	·01	·12		·10	·15	4
5	·05		·03				·38	·06		·05		·08	5
6	·15		·50	·15	·08		·01	·02	·34				6
7	·41		·20	·10				·04	·32	·55		·05	7
8			·44	·20	·13	·08			·16	·22			8
9				·14					·32	·88			9
10	·56	·03		·42	·32				·16	·30		·02	10
11		·11	·05	·08					·68	·36		·08	11
12	·10			·05	·31	·11	·48	·08	·03				12
13	·15		·04		·62	·02	·05	·34		·25			13
14	·07	·05	·03	·18	·14		·02		·70	·11		·02	14
15	·32			·17						·06	·03	·09	15
16	·11				·63					·08	·10	·02	16
17	·50									·17	·01	·51	17
18					·14		·10	·11	·03	·50		·03	18
19					·04							·02	19
20			·19	·36	·04		·10			·12		·01	20
21	·04		·06	·11				·71		·11	·09		21
22	·09	·01	·65	·30	·01		·17	·15		·35	·15	·03	22
23			·14	·19			·13			·11	·66	·01	23
24		·01		·15			·06		·09	·16	·15	·05	24
25	·10	·02			·02	·05	·10		·26		·07		25
26		·09		·04	·20	·11			·28	·27	·12		26
27		·02			·07	·02	·80		·32	·34	·07		27
28			·21	·01	·03	·55	·75	·11		·15	·05	·08	28
29			·07	·11	·45		·07			·02	·03	·01	29
30	·03	×	·70		·04	·32	·88	·11	·03	·36	·27	·14	30
31	·07	×	·23 ·05	×		× ·10	·18 ·03	·23	× ·52	·03 ·01	× ·11	·04	31
TOTAL	3·60 ~~3·64~~	·39 ~~0·46~~	3·59 ~~3·54~~	3·04 ~~3·09~~	3·42	1·36 ~~1·26~~	4·56 ~~4·63~~	2·00 ~~2·03~~	5·71 ~~5·19~~	5·81 ~~6·32~~	2·42 ~~2·32~~	1·91 ~~2·02~~	YEAR'S TOTAL 37·~~92~~ 81
*Days with ·01 in. or more.	18	10 ~~11~~	16 ~~15~~	19 ~~20~~	18	9 ~~8~~	20	13 ~~14~~	18 ~~17~~	26	17	21 ~~22~~	20~~6~~ 5
*Days with .04 in. or more.	17	3 ~~4~~	14 ~~13~~	18 ~~19~~	15	7 ~~6~~	15 ~~16~~	10	15 ~~14~~	23 ~~24~~	13 ~~12~~	12 ~~13~~	16~~3~~ 2

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*See Instruction 2 (*f*) on other side.

(Signed) Percy Dalton

City Surveyor & Water Engineer, Carlisle

P.T.O.

3618

Section **A** for the entry of Daily Observations.

COPY FOR OFFICIAL USE.

Station No. 3618

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Kept at Geltsdale

in the County of Cumberland

Diameter of Funnel of Gauge five in.

Height of top of Gauge above Ground 1 ft 2 in.

,, Ground ,, Sea Level 778 ft.

100
400

WP

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ·10

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1		·48			·02				·20	·03				1
2	·04	·10	·08					·04			·17			2
3	·63	·02	·05	·05	·06	·25		·02						3
4	·08	·31	·15	·05	·20						·13			4
5	·54	·32	·08								·01			5
6	·15	·28	·05								·02			6
7		·15	·16		·71							·08		7
8	·03	·27			·06		·37	·02		·58	·01			8
9	·22	·02	·41	·48	·05	·04	·05	·01		·08		·09		9
10		·20			·03	·40	·34			·90	·12	·02		10
11	·38	·02			·02	·03	·08			·06				11
12	·01			·08		·02	·11			·27		·19		12
13	·10	·03					·34							13
14			·10		·05		·41	·21	·06	·14	·13			14
15	·36		·05		·02	·07	·09	·03			·42	·02		15
16			·19	·04		·17				·36	·25			16
17	·04	·03	·35	·31	·20	·66	·55	·03			·11	·05		17
18	·06		·07	·02	·03	·39		·20	·12		·40			18
19	·02		·18	·02		·07		·30			·11	·06		19
20			·14					·13						20
21		·30			·23			·03	·10	·10				21
22						·08		·09	·25	·08	·02			22
23					·67	·10		·16		·13				23
24					·02	·07		·01	·08	·03				24
25		·08		·14	·18		·21	·02	·19	·03	·10	·10		25
26		·10		·04	·05		·05	·05	·31			·06		26
27		·52		·10					·05	·17		·03		27
28		·02		·06			·37			·10				28
29		×		·02			·14	·87		·38		·03		29
30		×	·06	·22			·27	·09		·20		·04		30
31	·18	×	·25	×	·15	×	·53	·30	×	·22	×	·25		31
	·48	–	–	·02	–	–	–	·20	·03	–	–	·10		
TOTAL	~~2·84~~ 3·32	~~3·25~~ 2·77	2·37	~~1·63~~ 1·65	~~2·75~~ 2·73	2·35	3·91	~~2·61~~ 2·81	~~1·36~~ 1·19	~~3·86~~ 3·83	2·00	~~1·02~~ 1·12	30·05 ~~29·95~~	
*Days with ·01 in. or more.	16 ~~15~~	17 ~~18~~	16	15 ~~14~~	17 ~~18~~	13	15	20 ~~19~~	9	17 ~~18~~	14	14 ~~13~~	18~~2~~3	
*Days with ·04 in. or more.	13 ~~12~~	11 ~~12~~	16	11	12	11	15	12 ~~11~~	8 ~~9~~	15	10	10 ~~9~~	14~~3~~4	

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*See Instruction 2 (*f*) on other side.

DM

† Spare column, no entries required.

(*Signed*) Percy Dalton

City Surveyor & Water Engineer

P.T.O.

✓ ✓ ✓ck.

Corrd. for W.D. by cards. 82

Section **A** for the entry of Daily Observations.

COPY FOR OFFICIAL USE.

Station No. 3618

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

Kept at Geltsdale

in the County of Cumberland.

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft 2 in.

,, Ground ,, Sea Level 778 ft.

(W D)

100

400

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ·06.

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·10	·01								·10				1
2	·12		·14	·04	·08			·03	·08			·19		2
3			·18					·77	·11		·13	·48		3
4	·25	·01	·03					·06		·05	·14	·13		4
5	·47		·02	·05					·03	·06	·08	·41		5
6			·17	·03	·44			·07		·04	·01	·06		6
7	·25	·02	·12	·09	·61	·07		·21	·05	·16		·13		7
8	·35	·07	·19	·11	·04	2 ·74				·15		·18		8
9					·09	·10		·12	·04	·31		·17		9
10	·07	·02	·01	·48				·25	·17	·10	·37			10
11	·06		·16	·11				·70	·04	·02	·23			11
12	·35		·16	·36				·04			·02	·06		12
13			·08	·20			·40	·05		·06	·04	·07		13
14	·23			·03			·77			·17	·01	·04		14
15	·45		·23		·06	·06	·04			·13	·03	·03		15
16	·18		·09		·78		·12	·28	·28	·33	·05	·08		16
17	·62		·19		·16		·02			·04	·04	·01		17
18	·06		·22	·03	·08		·27		·42	·02	·04	·30		18
19	·78		·19	·11	·15	·44	·22	·20	·06	·01		·25		19
20			·14	·20	·20	·33	·02		·12	·36	·10	·06		20
21			·03	·17	·28	·13		·38	·15	·12	·07			21
22			·01	·04	·12	·75		·18	·15	·04	·02			22
23			·05	·02		·46	·07	·42	·35	·02	·11	·02		23
24			·06	·36			·47			·40	·15			24
25		·13		·11	·17		·07		·09	·43	·03			25
26			·03	·10			·11		·10	·33	·02	·61		26
27	·09			·14		·29	·09		·12	·16		·04		27
28				·04		·60	·07			·41		·16		28
29		×		·20		·06	·24	·39	·04	·11		·38		29
30		×	·08				·14	·16	·72	·84		·08		30
31	·46	×		×		×	·01	·11	×	·45	×	·32		31
	·01	–							·10	–		·06	Year's Total.	
TOTAL	4·8~~9~~ 0	0·2~~6~~ 5	2·58	3·02	3·26	3·53	3·13	4·42	3·~~1~~2 2	5·~~2~~2 3	1·69	4·~~31~~ 32	39·5~~8~~ 4	
* Days with .01 in. or more.	17	5 ~~6~~	23	22	14	12	17	18	20 ~~19~~	27 ~~28~~	20	25 ~~24~~	220	
* Days with .04 in. or more.	16 ~~17~~	2	17	18	14	12	14	17	19 ~~18~~	23 ~~24~~	13	22 ~~21~~	187	

40-9999

* See Instruction 2 (f) on other side.

M

† Spare column, no entries required.

(Signed) Percy Dalton

CITY SURVEYOR & WATER ENGINEER.

[P.T.O.

See B2

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3618

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at Geltsdale

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft 2 in.

,, Ground ,, Sea Level 778 ft.

Letter sent re. Jan–Mar entries & 22/1/36. see attached sheet.

100
400

Obsr. agrees. see file

Coll. to W.D

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ·05

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·06	07					·04			·10	·07	·17		1
2	·90	·06	·01				·35		·38	·09	·03	·43		2
3	·01	·14	·03			·05	·05		·41	·15	·03			3
4	·04	·68	·12	·06		·14	·18				·21	·10		4
5			·05			·17	·27		·02	·19		·04		5
6		·78	·08			·10	·07			·06	·10	·02		6
7	·03	·08	·01			·35				·27	·04			7
8	·02			·10		·22				·15	·10	·13		8
9				·20		·25		·02		·60		·25		9
10	·05	·06		·26		·02				·65	·11			10
11	·10	·48		·09		·06	·07			·07	·06			11
12	·30	·03		·05		·05		·22		·08	·05	·01		12
13		·11			·02	·22			·10	·10	·03			13
14	·15	·07		·01	·36	·16		·02	·11	·03	·03			14
15		·06				·22	·02	·06	·02		·10	·24		15
16		·45		·30	·23	1·27			·25	·54	·02	·18		16
17		·53	·08	1·31	·33	·16	·33	·14	·29	·04	·32	·03		17
18				·65	·02	·14	·04	·03	·10	·12	·29			18
19	·06	·07		·26		·05	·23	·28	·24	·35				19
20		·06		·03		·11	·54		·09	·12	·15			20
21	·01	·23		·07		·06	·01				·01			21
22			·16	·02					·40	·35	·02	·05		22
23		·23	·20	·27					·12		·04			23
24	·10	·26	·10	·04			·02	·18		·46				24
25	·13	·35	·17						·34	·05	·01	·20		25
26	·10		·02			·04	·06				·08	·02		26
27			·01			·20	·04	·98	·12	·35	·02	·10		27
28		·18				·03	·24	·01	·18	·55	·29	·06		28
29		×					·01	·08	·14	·67	·03	·10		29
30	·07	×	·22			·20		·20	·46	·21	1·14	·05		30
31	·09	×	·03	×		×		·33	×	·36	×	·20		31
TOTAL	·07 2·2~~2~~ 3	4·98	1·29	3·72	·96	·04 4·~~27~~ ·31	2·5~~7~~ 31	2·55	·10 3·~~7~~7 8	·07 6·~~71~~ ·68	·17 3·~~3~~8 4	·05 2·~~38~~ 26	Year's Total. 38·~~80~~ ·79	
* Days with .01 in. or more.	17	20	15	16	5	24	17	13	19	26	26	19	217	
* Days with .04 in. or more.	12	19	9	13	3	22	13	9	17	25	16	15	173	

40-9999

† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(*Signed*) .... [P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 3618

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at Geltsdale

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 2 in.

„ Ground „ Sea Level 778 ft.

100
400

W.D

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

Obsr notified. see file

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following
0.05.

Please read the Notes and Instructions Overleaf.

1934

Date	~~Jan.~~	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·10	·01					·04			·10	·07	·17		1
2	·12		·14				·35		·38	·09	·03	·43		2
3			·18			·05	·05		·41	·15	·03			3
4	·25	·01	·03	·06		·14	·18				·21	·10		4
5	·47		·02			·17	·27		·02	·19		·04		5
6			·17			·10	·07			·06	·10	·02		6
7	·25	·02	·12			·35				·27	·04			7
8	·35	·07	·19	·10		·22				·15	·10	·13		8
9				·20		·25		·02		·60		·25		9
10	·07	·02	·01	·26		·02				·65	·11			10
11	·06		·16	·09		·06	·07			·07	·06			11
12	·35		·16	·05		·05		·22		·08	·05	·01		12
13			·08		·02	·22			·10	·10	·03			13
14	·23			·01	·36	·16		·02	·11	·03	·03			14
15	·45		·23			·22	·02	·06	·02		·10	·24		15
16	·18		·09	·30	·23	1·27			·25	·54	·02	·18		16
17	·62		·19	1·31	·33	·16	·33	·14	·29	·04	·32	·03		17
18	·06		·22	·65	·02	·14	·04	·03	·10	·12	·29			18
19	·78		·19	·26		·05	·23	·28	·24	·35				19
20			·14	·03		·11	·54		·09	·12	·15			20
21			·03	·07		·06	·01				·01			21
22			·01	·02					·40	·35	·02	·05		22
23			·05	·27					·12		·04			23
24			·06	·04			·02	·18		·46				24
25		·13							·34	·05	·01	·20		25
26			·03			·04	·06				·08	·02		26
27	·09					·20	·04	·98	·12	·35	·02	·10		27
28						·03	·24	·01	·18	·55	·29	·06		28
29		X					·01	·08	·14	·64	·03	·10		29
30		✕	·08			·20		·20	·46	·21	1·14	·05		30
31	·46	✕		✕		✕		·33	✕	·36	✕	·20		31
													Year's Total	
TOTAL	4·89	0·26	2·58	3·72	0·96	4·27	2·57	2·55	3·77	6·71	3·38	2·38	~~38·64~~	See attached sheet
* Days with .01 in. or more.	17	6	23	16	5	23	18	13	18	26	26	19	~~210~~	
* Days with .04 in. or more.	17.	2	17.	13.	3	21	14	9	16	25	16	15	~~166~~	

40-9999.

* See Instruction 2 (f) on other side.

M.

† Spare column, no entries required.

(*Signed*) Percy Dallon

Water Engineer Carlisle

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3618

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1936.

100

W. D

400

Kept at Geltsdale

in the County of Cumberland

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft.........in.

,, Ground ,, Sea Level ....ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ·05

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·06	·20	·03	—	—	·02	—	—	—	—	—	—		1
2	·06	·36	·16	—	—	·13	·22	·59	·13	—	·07	·05		2
3	·02	·03	·04	—	—	·03	·03	·10	·04	—	·13	·09		3
4	·02	—	—	—	—	·19	—	·04	·48	—	—	·12		4
5	·11	—	·19	—	—	·02	·17	·03	·34	—	·38	1·03		5
6	·05	—	·08	—	—	·01	—	·10	·10	—	·08	·58		6
7	·04	—	·05	—	—	—	·59	·14	·43	—	·06	—		7
8	·01	—	·02	—	—	—	·03	—	·30	—	·30	·08		8
9	·12	—	·12	—	—	—	—	—		—	·11	—		9
10	·47	—	—	—	—	·03	·33	·07	·13	·03	·12	—		10
11	·19	—	—	·01	—	—	·03	—	·04	·02	·29	—		11
12	·09	—	—	·12	—	·05	·30	·16	·04	·03	·50	·15		12
13	·07	—	—	·14	—	·06	·06	·10	·42	—	·07	·13		13
14	—	—	—	·24	·03	·07	—	·01		·26	·02	1·12		14
15	—	—	—	·16	—	·28	—	·09	·22	·05	·18	·88		15
16	—	—	·02	·02	·01	·19	·01	·06	·02	·10	·13	·18		16
17	—	—	·08	—	—	·14	—	—		·22	·57	·03		17
18	·07	·12	—	·14	·10	—	·32	·03		·17	·28	·26		18
19	·14	·04	—	·15	—	—	·29	·12		·35	—	—		19
20	·39	·43	—	—	—	—	·42	—		·02	—	·06		20
21	·03	·11	·10	·03	—	—	·33	—		·08	—	·02		21
22	·07	·17	·04	·05	—	—	—	·03		·03	—	·01		22
23	·12	·38	·02	—	·03	·93	—	—		·01	—	—		23
24	—	·48	·07	—	·02	—	·27	·02		·11	—	—		24
25	—	·06	—	·17	·19	·03	·19	—	·58	·85	—	—		25
26	·25	—	—	·05	·01	—	·74	—	·30	·30	—	·05		26
27	·04	·12	·02	·03	—	—	·04	—	·12	·40	—	—		27
28	·21	·06	·03	·03	—	—	—	—		·21	·05	—		28
29	·21	·52	·02	·01	·03	—	·20	—		—	·02	·02		29
30	·18		·22	—	·18	·84	·04	—		·50	·10	·02		30
31	·06	·03	·12		·07		·29	·04		·16		·12 ·05		31
TOTAL	·20 3·11 ~~2·96~~	2·91 ~~3·08~~	1·40 ~~1·43~~	1·29	·02 ·69 ~~·67~~	3·00 ~~3·02~~	4·90 ~~4·89~~	1·73	3·69	3·90	3·46	5·05 ~~5·00~~	Year's Total 35·12	13
* Days with .01 in. or more.	25	14	18	15	~~10~~ 11	~~16~~ 15	21	17	16 ~~17~~	20	19	~~20~~ 21	212	
* Days with .04 in. or more.	20	12	12	9	4	10	17	12	15	14	17	~~15~~ 16	158	

40-9999.

† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(*Signed*) .... [P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3618

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1937.

Kept at Geltsdale

in the County of Cumberland

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft..........in.

,, Ground ,, Sea Level ....ft.

100

400

Copy by B.R.O.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·05	·04	–	–	–	·01	·04	–	·16	·03	·02	·02		1
2	·10	·03	·19	·16	–	·35	·15	–	·62	·18	–	·04		2
3	·12	·47	·02	·16	–	·08	–	–	·03	·02	–	·04		3
4	–	·33	–	·01	·08	·58	·20	–		–	–	·03		4
5	·41	–	·03	·14	·16	·02	·13	–	·33	–	–	·22		5
6	·33	–	·07	·16	·09	·02	·17	–	·38	–	–	·22		6
7	·10	–	–	·05	·07	·05	·05	·03	·13	·04	·01	–		7
8	–	·16	·02	·26	·19	·02	·02	–	·12	·02	·13	·29		8
9	–	·30	·03	·14	–	·02	·32	·02	·02	·02	–	·06		9
10	–	–	·03	·01	·02	·08	·18	·07		–	–	–		10
11	·02	·11	–	–	·11	–	·05	–		–	–	·57		11
12	·02	–	·06	–	–	–	–	✓ –	·05	–	–	·73		12
13	·56	·30	·29	·03	·02	·09	·03	✓ ·33	·13	·01	–	·10		13
14	·03	·32	–	–	–	·10	·07	✓ ·10		·03	–	·67		14
15	–	·07	–	–	–	·03	·26	·72	·07	·02	–	–		15
16	·15	·55	–	·05	–	–	·25	–	·25	–	–	·02		16
17	·07	·33	·29	·63	–	–	–	·23	·01	·01	–	–		17
18	·21	·07	·08	·07	–	·06	–	·03	·90	–	–	–		18
19	–	·17	·05	·04	–	·14	·10	·29	·05	–	·20	–		19
20	·17	·10	·04	·10	·25	·05	–	·02	·04	–	·49	–		20
21	·27	–	·02	·04	·85	·02	·05	–		·02	·05	·10		21
22	·18	·04	·07	·26	·22	–	·47	–		·07	·09	·21		22
23	·08	–	·06	·10	·34	–	·12	–		–	·03	·15		23
24	·05	–	–	·01	·14	–	·31	–	·12	·70	–	·03		24
25	·15	·03	–	–	–	–	·22	–	·25	·14	·02	·03		25
26	·04	·23	·04	–	–	–	–	–		·05	·02	·01		26
27	·06	·32	·03	–	·65	–	–	–		·05	·01	–		27
28	·01	·45	·01	·30	–	·02	–	–	·11	·68	–	·02		28
29	·03	–	–	–	–	·13	–	–		·06	–	·04		29
30	·07	✕	–	–	–	·11	–	–	·02	·07	·26	·05		30
31	·27	✕	–	✕	·02	✕	–	·12 ·16	✕ ·03	·13 ·02	✕	·04		31
TOTAL	·04 3·55	8 4·37	1·43	2·56	·01 2 3·2	·04 ~~1·98~~ 2·01	5 3·19	2·12 ~~1·96~~	3·66 ~~2·79~~	2·34 ~~2·35~~	·02 1·33	(–) 7 3·69	Year's Total 33·41 ✓	
* Days with .01 in. or more.	4 25	19 ~~28~~	19	19	1~~5~~6	20	19	11	20	20 ✓	12	2~~3~~2	22-2 ✓	
* Days with .04 in. or more.	~~20~~ 19	17 ~~18~~	11	15	12	1~~2~~3	~~18~~ 17	7	~~16~~ 15	11 ✓	6	16	159 ✓	

40-9999.

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(*Signed*) .... [P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3618

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 103

REGISTER OF RAINFALL IN 1938

Kept at Geltsdale
in the County of Cumberland
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft. 2 in.
,, Ground ,, Sea Level 778 ft.

100

Copy by B.R.O.

400

Written 23/1/39 for entry on Jan 1st 1939 (Aire C)

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following: ·05

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	–	·07		·17		·04	·07	–	–	·22	·05	·08		1
2	–	·19		·18		1·24	·03	–	·17	–	·09	·36		2
3	·04	·08		·12		·04	·01	–	·24	·72	·50	·30		3
4	·03	·02		·02		·07	·35	–	·28	·86	·19	–		4
5	–	·02		·10		·11	·30	–	–	·28	·08	·70		5
6	·03	·05		·01		·04	·10	·01	·04	·53	·04	·02		6
7	·30	–	·04	·05		·03	·03	·05	–	·38	·04	·01		7
8	·12	–					·34	·04	·07	·12	·32	·02		8
9	·05	·12				·08	·24	·03	–	·47	·90	·06		9
10	·12	·18	·01		·14	·09	·03	–	–	·04	–	·35		10
11	·07	·02	·01			·13	·24	–	·02	·26	·01	·01		11
12	·08	·04			·04	·04	·18	–	·08	·11	·08	·03		12
13	·11	–			·08		·14	·07	·01	1·14	·83	·04		13
14	·08	·03			·03		·23	·02	·09	·08	·15	·10		14
15	·67	·01			·05		–	–	–	·02	·01	·03		15
16	·21	·04	·11		·15		·03	·84	·01	·37	·02	·12		16
17	·13	–	·07		·16		–	·16	·08	·30	–	–		17
18	–	–	·04		·01		·10	·15	·48	·50	–	–		18
19	·07	·03	·04			·15	–	·21	·16	·36	·33	·08		19
20	·10	·01	·27			·01	·01	·65	·02	·01	·06	·20		20
21	·21	–	·66	·01	·03		–	·30	·04	–	·01	·04		21
22	–	–		·03		·07	–	·15	·10	–	·53	·02		22
23	·02	·03		·01	·03		–	–	–	–	·25	·07		23
24	·05	–	·04	·01	·43	·38	–	·04	·03	–	·63	–		24
25	·13	–	·02			·16	·02	·20	·10	·25	·14	–		25
26	·09	–	·13		·26		1·54	–	–	·25	·20	·10		26
27	·10	·39	·24	·01	·11	·13	·18	–	–	·45	·05	·07		27
28	·19	·18	·01	·02	·09	·40	·25	·19	·02	·04	·13	·13		28
29	·32	X	·07		·77	·55	·03	·03	–	–	·04	·19		29
30	·11		·02	·02	·18	·11	·20	–	·21	·24	·68			30
31	·25 ·07	–	·05 ·17	–	·34 ·04	·07	·18	– –	·22	·16 ·05	·08	·07 ·05		31
TOTAL	~~2·68~~ 3·65	~~1·54~~ 1·44	~~1·83~~ 2·00	~~·76~~ ·59	~~2·90~~ 2·94	~~3·84~~ 3·90	~~4·83~~ 4·76	3·14	~~2·28~~ 2·50	~~8·16~~ 7·99	6·3~~6~~9	~~3·20~~ 3·17	Year's Total ~~42·42~~	42·47 ✓
* Days with .01 in. or more.	27 ~~26~~	17 ~~18~~	18 ~~17~~	~~14~~ 13	18 ~~17~~	20	23 ~~24~~	17	~~20~~ 21	25	27	25 ~~24~~ ~~25~~	~~250~~	251 ✓
* Days with .04 in. or more.	24 ~~23~~	9 ~~10~~	13 ~~12~~	~~5~~ 4	14 ~~13~~	18	15 ~~16~~	13	~~14~~ 15	23	23	~~18~~ 18	~~188~~	189 ✓

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(Signed) Percy Dalton

[P.T.O.

4·03

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3618

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at Geltsdale

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 2 in.

" Ground " Sea Level 778 ft.

100

W.P.

Copy by B.R.O.

400

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	in.	†	
1	.05	-	—	—	.01	-	.10	.04	-		.01	.56		1
2	.30	-	.09	-	.	-	.10	.15	.06	.04	—	.23		2
3	.04	-	.07	.02	.	-	.16	.52	.29	-	.01	.04		3
4	.02	-	.05	.13	.	-	.05	.13	-	.01	.03	.22		4
5	-	.02	.47	.04	.	-	.38	.05	-	.01	.03	.03		5
6	-	.02	.06	-	.06	-	.45	.05	-	.09	.23	.04		6
7	.16	.04	.14	-	.01	-	.16	-	.	-	.21	-		7
8	.36	.18	.44	-	.09	-	.06	-	.07	-	.08	.03		8
9	1.57	.38	.26	.44	-	-	.10	.12	.09	-	.15	.34		9
10	.25	.24	—	.10	.	-	.35	.69	.19	.17	.01	.21		10
11	.12	.04	.06	-	.	.26	—	.08	.57	.07	.04	.01		11
12	.08	.27	.37	-	.03	.15	—	.03	-	.03	.09	-		12
13	.04	.17	—	-	.	.03	—	-	.10	.48	.01	-		13
14	.06	-	.03	.13	.15	.01	.22	-	.03	.26	.19	-		14
15	.17	.03	.01	.09	.24	.45	.23	-	-	.11	.43	-		15
16	.41	.02	.08	.09	.01	.47	.01	-	-	-	.07	-		16
17	.35	.04	.04	.03	-	-	.03	-	.	-	.24	-		17
18	.12	.08	—	.06	.03	.01	—	-	-	-	.06	-		18
19	.12	.12	.24	-	.02	.07	.07	-	.	.03	.64	-		19
20	.10	-	-	-	.02	.15	—	-	-	-	.01	.02		20
21	.06	-	.02	-	.04	.09	—	-	.01	-	—	-		21
22	.11	.12	.07	.08	.03	-	-	.11	.02	.01	—	-		22
23	.17	.10	.07	-	.	-	.24	-	-	.11	.33	.01		23
24	.07	.43	.04	.31	.	.06	.02	.01	.01	.01	—	.01		24
25	-	.08	.51	.32	.	.06	—	-	-	-	.12	.03		25
26	.25	.06	.05	.03	.	.05	—	.14	-	-	.72	.06		26
27	.02	.10	.06	-	.	-	—	.15	-	.84	.10	.01		27
28	.01	.39	.20	.05	.	.12	.16	.04	-	.13	.11	-		28
29	.05		.42	.06	.	.48	.27	-	.	.02	.33	.02		29
30	-	✕	.04	.02	.	.62	.48	-	.	.31	.23	-		30
31	-	✕	—	.01 ~~✕~~	-	~~✕~~ .10	~~.56~~ .04	.01	✕	.02	✕	-		31
TOTAL	~~5.04~~ 5.01	2.93	3.89	~~2.00~~ 2.01	~~.74~~ .73	~~3.28~~ 3.18	~~4.20~~ 4.14	~~2.32~~ 2.28	1.44	.01 2.75	.56 ~~4.46~~ 5.03	~~1.87~~ 1.31	Year's Total ~~32.12~~	34.71
* Days with .01 in. or more.	~~26~~ 25	21	25	~~17~~ 18	~~13~~ 12	~~16~~ 17	21	~~16~~ 15	11	~~19~~ 20	26	~~17~~ 16	227	
* Days with .04 in. or more.	~~23~~ 22	17	22	13	5	~~13~~ 14	18	~~13~~ 12	7	11	~~19~~ 20	~~8~~ 7	168	

† Spare column, no entries required.

*See Instruction 3 (f) on other side.

(*Signed*) ....

[P.T.O.

COPY FOR OFFICIAL USE

Section A for the entry of Daily Observations **Station No.** 3618

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 19~~3~~40

Kept at Geltsdale
in the County of Cumberland
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft. 2 in.
,, Ground ,, Sea Level 778 ft.

100

Jan corr'd for snow
Circ C. sent today 15.1.41
no reply Jan 1st est

BRITISH RAINFALL ORGANIZATION.

100

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following
~~(nil)~~
·12

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	–	–	–	·10	–	·02	–	–	–	–	·20	·02		1
2	–	–	–	·06	–	–	·04	–	–	–	·08	·25		2
3	–	–	–	·10	–	–	·51	–	·04	–	·27	·10		3
4	–	·03	–	·04	–	–	·01	–	–	–	·01	·05		4
5	–	·10	–	·03	–	–	·45	–	·05	·15	·02	·25		5
6	–	–	–	·01	·34	–	·43	·02	·03	·70	·06	·53		6
7	·03	·03	–	·04	–	–	·05	·02	–	·31	·10	·30		7
8	·07	·03	–	·16	·02	–	·08	·26	·18	–	·03	·05		8
9	–	–	·29	–	–	–	–	·20	·13	·35	·06	·10		9
10	–	–	1·04	·01	–	–	·64	·37	·19	·24	·26	·27		10
11	–	–	·05	–	–	–	·64	·46	–	·02	·29	–		11
12	–	·04	·86	·04	–	–	·57	–	·18	–	·90	–		12
13	–	·02	·46	–	–	·07	·03	·07	·24	–	·01	–		13
14	–	–	·07	·03	–	–	·13	·03	·18	–	·04	·03		14
15	–	·04	·06	·22	–	–	·32	·09	·09	–	–	·13		15
16	·02	–	·02	·02	·02	–	–	–	–	–	·10	·03		16
17	·10	–	·01	·02	–	–	·35	·01	3·07	·25	·03	·06		17
18	–	–	·11	–	–	–	1·40	·12	·24	·03	·35	·11		18
19	·02	·02	·46	·08	–	–	·11	·40	·40	–	·03	·44		19
20	·04	·17	·32	·05	–	–	·10	–	·36	–	·31	·05		20
21	–	–	·10	–	–	–	·19	·74	·05	·10	·12	–		21
22	–	–	·18	·08	–	·52	·13	·04	·02	·07	·03	–		22
23	–	·06	·05	–	·19	·26	–	·02	·55	·05	·01			23
24	–	·13	·04	·42	·02	·01	·23	–	·03	·05	·20	·02		24
25	1·38	·02	–	·34	·25	·02	·13	·01	·01	·04	·01	·03		25
26	+1·00	–	–	–	·58	·01	·01	–	–	·02	–	–		26
27	·03	·03	–	–	·74	·07	–	·27	·02	–	·06	–		27
28	·02	·04	·01	·48	·01	–	·04	–	–	·02	–	·01		28
29	·03	·06	·02	–	·31	–	·02	·16	–	–	–	·08		29
30	–	X	·20	·02	·18	·02	·12	–	–	·13	–	·53		30
31	–	X	·10	X	·07 ·02	X	–	–	X	·16 ·30	·02 X	·38		31
TOTAL	1·74	·82	4 4·~~8~~5	2 2·~~3~~5	5 2·7~~3~~	·98 ~~1·00~~	6·73	3·29	5·06	8 2·~~4~~9	40 3·~~58~~	·12 0 ~~3·81~~ 3·92	Year's Total ~~38·18~~	38·28
* Days with .01 in. or more.	11	15	20 ~~18~~	2~~1~~0	1~~8~~3	8 ~~9~~	25	18	20	~~17~~ 18	25	2~~8~~3	~~215~~	216
* Days with .04 in. or more.	6	8	16 ~~15~~	1~~4~~3	8	4	21	12	15	~~13~~ 14	15 ~~16~~	~~17~~ 18	~~149~~	150

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) P. DALTON Esq., C.E [P.T.O.

FORM 1090. **B** Monthly Summary

3620 ——
CUMBERLAND.
DENTON HOLME
CARLISLE
1931 — 40
78.0703

…irs of Station. 3620.

*** The following register of monthly totals &c., is NOT required if daily or weekl… values are given on the other side.

RAINFALL IN 1931

At Denton Holme Carlis…

In the County of Cumberland

Rain Gauge
Diameter of Funnel Five in.
Height of Top above Ground 1 *ft.* — *in.*
Height of Ground above Sea Level 56 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	2·28				
FEB.	2·26				
MAR.	1·02				
APRIL	1·30				
MAY	2·01				
JUNE	5·68				
JULY	4·13				
AUG.	2·82				
SEPT.	1·40				
OCT.	2·52				
NOV.	3·84				
DEC.	1·92				
Total	8 31·12				

Signature Wm Eggleston
year 1931

*See Instruction 2 (*f*) below.

…fill in this section and also the space for
…quiry relating to this register should be sent:—
…m
… Richardson St. Carlisle

…in Winter —— in Summer ——

Nearest Railway Station Carlisle Distance 1 mile Direction from gauge S.E

Nearest Parish Church at St James Distance 1/4 mile Direction from gauge N.W

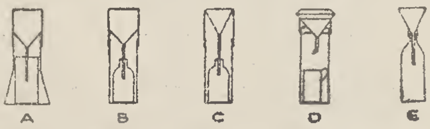
Nature of objects nearest to gauge	Cotton Mill			
Heights of objects	80 ft			
Distances ..	300 yds			
Directions from gauge ..	S.W			

If gauge has been moved during the year state—

Date of move……… Distance……… Direction………

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

C
JAN1932

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply also to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m. Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

3620

FORM 1090.

B Monthly Summary.

C Particulars of Station.

***** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1931

At Denton Holme Carlisle

In the County of Cumberland

Rain Gauge
- Diameter of Funnel Five in.
- *Height of Top above Ground* 1 *ft* — *in.*
- *Height of Ground above Sea Level* 56 *ft*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	2·28				
FEB.	2.26				
MAR.	1.02				
APRIL	1.30				
MAY	2.01				
JUNE	5.68				
JULY	4.13				
AUG.	2.82				
SEPT.	1.40				
OCT.	2.52				
NOV.	3.84				
DEC.	1.92				
Total	31·12 8				

Signature Wm Eggleston

year 1931

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Wm Eggleston
96 Richardson St. Carlisle

Hour of observation by the clock—in Winter — in Summer —

Nearest Railway Station Carlisle Distance ½ m Direction from gauge S.E

Nearest Parish Church at St James Distance ¼ mile Direction from gauge N.W

Nature of objects nearest to gauge	Cotton Mill			
Heights of objects	80 ft			
Distances ..	800 yds			
Directions from gauge ..	S.W			

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

M.O.
11 JAN 1932

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply also to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m. Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st, it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

3620

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1932

At Denton Holme Carlisle

In the County of Cumberland

Rain Gauge
Diameter of Funnel 5" in.
Height of Top above Ground 1 ft. — in.
Height of Ground above Sea Level 57 ft.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more *	·04 in. or more *
	Inches	Inches	Date.		
JAN.	2·64				
FEB.	·15				
MAR.	~~2·15~~ (2.90)				
APRIL	~~2·92~~ (2.17)				
MAY	2·36				
JUNE	1·12				
JULY	6·20				
AUG.	2·64				
SEPT.	5·70				
OCT.	4·49				
NOV.	1·44				
DEC.	2·41				
Total	34·22				

Signature Wm Eggleston J.P.

*See Instruction 2 (*f*) below.

C Particulars of Station. No. 3620

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—
Wm Eggleston J.P.
96 Richardson St. Carlisle

Hour of observation by the clock—in Winter 9 a.m. in Summer Weekly

Nearest Railway Station Carlisle Distance ¼ mile Direction from gauge S. E.

Nearest Parish Church at St James Distance ¼ mile Direction from gauge N. W

Nature of objects nearest to gauge	Mill			
Heights of objects	50 ft			
Distances ..	300 yds			
Directions from gauge ..	S W			

If gauge has been moved during the year state—

Date of move ——— Distance ——— Direction ———

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in British Rainfall, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

March 1" low
April appears about ·75 inches too high
I think the heavy fall at the end of March
has been included in the April total
suggest calculate as above. adjust

March & April adjusted by surrounding stns.
13/5/33.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(457) Wt.9673/738 16000 8/32. Gp. 119/110.

3620

FORM 1090.

B Monthly Summary.

⁎ The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1933

At Denton Holm Carlisle

In the County of Cumberland

Rain Gauge
- Diameter of Funnel 5" in.
- *Height of Top above Ground* 1 *ft.* — *in.*
- *Height of Ground above Sea Level* 56 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	2·10				
FEB.	2·25				
MAR.	1·73				
APRIL	·89				
MAY	2·74				
JUNE	2·10				
JULY	3·10				
AUG.	2·04				
SEPT.	·88				
OCT.	2·37				
NOV.	1·21				
DEC.	·93				
Total	22·34				

Signature Wm Eggleston J.P.

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

William Eggleston J.P.
96 Richardson Street Carlisle Cumbd

Hour of observation by the clock—in Weekly gauging

Nearest Railway Station Carlisle Distance ¼ mile Direction from gauge S E

Nearest Parish Church St James's Distance ¼ mile Direction from gauge N W

Nature of objects nearest to gauge	Cotton	Mill		
Heights of objects	50 feet			
Distances ..	300 yds			
Directions from gauge ..	S.W.			

If gauge has been moved during the year state—

Date of move.................. Distance.................. Direction..................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in British Rainfall, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(506) Wt.24107/1845 15000 3/33. Gp. 119/110.

3620

FORM 1090. **B** Monthly Summary. **C** Particulars of Station.

. The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1934

At Denton Holme

In the County of C.B. Carlisle Cumberland

Rain Gauge
Diameter of Funnel 5" in.
Height of Top above Ground 1 *ft.* *in.*
Height of Ground above Sea Level 57 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	3·56				
FEB.	·15				
MAR.	1·67				
APRIL	2·34				
MAY	2·25				
JUNE	3·14				
JULY	3·46				
AUG.	4·03				
SEPT.	3·42				
OCT.	3·81				
NOV.	·75				
DEC.	3·21				
Total	31·79				

Signature Wm Eggleston J.P.

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—
William Eggleston J.P.
96 Richardson St. Carlisle

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station Carlisle Distance 1/4 mile Direction from gauge S.E

Nearest Parish Church at St. James Distance 1/4 mile Direction from gauge N.W

Nature of objects nearest to gauge	Cotton	Mill		
Heights of objects	50 feet			
Distances ..	300 yds			
Directions from gauge ..	S.W			

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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3620

FORM 1090. **B** Monthly Summary.

*** **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.***

RAINFALL IN 1935

At Denton Holme

In the County of C. B. Carlisle

Rain Gauge
- Diameter of Funnel 5" in.
- *Height of Top above Ground* 1 *ft.* — *in.*
- *Height of Ground above Sea Level* 57 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with ·01 in or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
JAN.	1·45				
FEB.	3·30				
MAR.	1·69				
APRIL	3·80				
MAY	·70				
JUNE	3·49				
JULY	1·19				
AUG.	1·91				
SEPT.	3·44				
OCT.	6·22				
NOV.	2·86				
DEC.	1·61				
Total	31·66				

Signature Wm Eggleston J.P.

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—
Wm Eggleston
96 Richardson St Carlisle

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station Carlisle Distance ¼ Direction from gauge SE

Nearest Parish Church at St James Distance ½ Direction from gauge NW

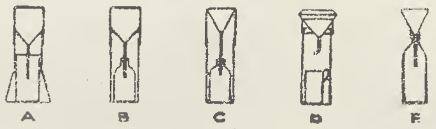
Nature of objects nearest to gauge	Cotton Mill			
Height of objects	50 feet			
Distances	300 yds			
Directions from gauge	SW			

If gauge has been moved during the year state—

Date of move — Distance — Direction —

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

M.O. 7
6 JAN 1936

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.* 9 *a.m.* Greenwich *Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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FORM 1090.

B Monthly Summary.

, The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1936

At Denton Holme

In the County of C.B. Carlisle

Rain Gauge:
Diameter of Funnel 5" in.
Height of Top above Ground 1' *ft.* — *in.*
Height of Ground above Sea Level 57 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	2·21				
FEB.	1·93				
MAR.	1·47				
APRIL	·78				
MAY	·50				
JUNE	2·25				
JULY	3·77				
AUG.	1·74				
SEPT.	5·30				
OCT.	3·02				
NOV.	3·15				
DEC.	3·92				
TOTAL	30·04 ✓	✓			

Signature Wm Eggleston

* See Instruction 3 (*f*) below.

C Particulars of Station. 3620

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—
William Eggleston J.P.
96 Richardson Street Carlisle

Hour of observation by the clock—in Winter.................in Summer.................

Nearest Railway Station Carlisle Distance ¼ mile Direction from gauge S.E.

Nearest Parish Church at St James Distance ¼ mile Direction from gauge N.W.

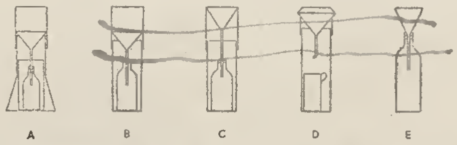
Nature of objects nearest to gauge	Catton	Mill		
Height of objects	50	feet		
Distances ...	300	yds		
Directions from gauge ...	S.W.			

If gauge has been moved during the year state—

Date of move.......................... Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(*a*) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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FORM 1090.

B Monthly Summary.

. The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1937

At Denton Holme, CARLISLE

In the County of Cumberland

Rain Gauge
- Diameter of Funnel Five in.
- *Height of Top above Ground* 2 *ft.* 0 *in.*
- *Height of Ground above Sea Level* 56 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	2·00				
FEB.	3·18				
MAR.	1·09				
APRIL	2·39				
MAY	2·48				
JUNE	1·61				
JULY	2·90				
AUG.	2·02				
SEPT.	2·99				
OCT.	1·93				
NOV.	0·56				
DEC.	1·83				
TOTAL	24·98				

Signature Wm Eggleston

2nd January 1938.

* See Instruction 3 *(f)* below.

3620

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

William Eggleston J.P.,
96 Richardson Street, Carlisle

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station Carlisle Distance ½ mile Direction from gauge S.E.

Nearest Parish Church at St. James's Distance ¼ mile Direction from gauge N.W.

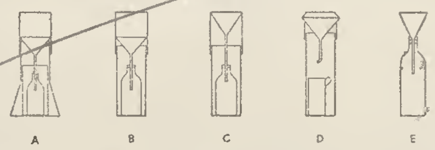
Nature of objects nearest to gauge	COTTON MILL			
Height of objects	50 feet			
Distances ...	300 yds			
Directions from gauge ...	S.W.			

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

M.O. 7
4 JAN. 1938

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
   (A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
   (B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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Wt.1046/3030. 26,000. 4/36. W. H. & S. 668/91. S.O. Code No. 40-9999

FORM 1090.

3620

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1938.

At Denton Holme, Carlisle

In the County of Cumberland

Rain Gauge
- Diameter of Funnel Five in.
- *Height of Top above Ground* 1 *ft.* – *in.*
- *Height of Ground above Sea Level* 57 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	2·31				
FEB.	1·03				
MAR.	1·42				
APRIL	0·55				
MAY	0·87				
JUNE	3·32				
JULY	4·53				
AUG.	3·19				
SEPT.	2·31				
OCT.	6·39				
NOV.	6·49				
DEC.	2·53				
TOTAL	34·94 ✓				

Signature Wm Eggleston

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

William Eggleston J.P.
96 Richardson Street, Carlisle

Hour of observation by the clock—in Winter 9 am. in Summer 9 am.

Nearest Railway Station Carlisle Distance ½ mile. Direction from gauge S.E.

Nearest Parish Church at St. James's Distance ¼ mile. Direction from gauge N.W.

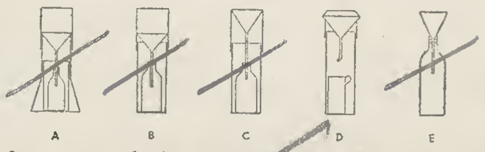
Nature of objects nearest to gauge				
Height of objects	Cotton Mill	50'	300 yds	S.W.
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

~~Harold Shepherd, Rosedene, Blackwell, Carlisle.~~

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

M.O. 7
10 JAN. 1939

his record for 1938 accompanies

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9999

FORM 1090.

Station No 3620

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939.

At Denton Holm Carlisle

In the County of Cumbd

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* — *in.*
- *Height of Ground above Sea Level* 56 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	3·91				
FEB.	2·44				
MAR.	1·81				
APRIL	1·13				
MAY	·85				
JUNE	2·35				
JULY	5·27				
AUG.	2·87				
SEPT.	1·22				
OCT.	1·85				
NOV.	4·09				
DEC.	1·14				
TOTAL	28·93				

Signature Wm Eggleston J.P.

* See Instruction 3 (*f*) below.

C Particulars of Station. 3620

File No. 705290/26

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

William Eggleston J.P.
96 Richardson Street Carlisle

Hour of observation by the clock—in Winter Weekly in Summer gaugings

Nearest Railway Station Carlisle Distance ¼ mile Direction from gauge S.E.

Nearest Parish Church at St James Distance ¼ mile Direction from gauge N. W.

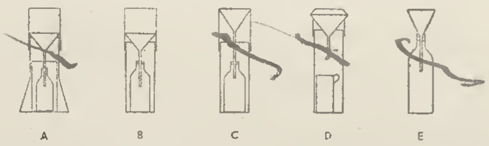
Nature of objects nearest to gauge	Cotton Mill			
Height of objects	50 Feet			
Distances ...	300 yds			
Directions from gauge ...	S.W.			

If gauge has been moved during the year state—

Date of move ——— Distance ——— Direction ———

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

M.O. 7
10 JAN. 1940

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(*a*) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
  (A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
  (B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005 ; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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FORM 1090.
705290/26

B Monthly Summary.

. The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 19~~4~~40

At Denton Holme

In the County of Carlisle Cumberland

Rain Gauge
- Diameter of Funnel five in.
- *Height of Top above Ground* one *ft.* — *in.*
- *Height of Ground above Sea Level* 57 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	~~·75~~	(1.15)			
FEB.	.55				
MAR.	4.39				
APRIL	1.28				
MAY	2.27				
JUNE	1.51				
JULY	5.10				
AUG.	2.14				
SEPT.	3.47				
OCT.	2.49				
NOV.	2.52				
DEC.	2.86				
TOTAL	29.73 29.33	✓			

Signature Wm Eggleston

* See Instruction 3 *(f)* below.

C Particulars of Station. 3620

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—
William Eggleston
96 Richardson St Carlisle

Hour of observation by the clock—~~in Winter~~ .... in ~~Summer~~ ....

Nearest Railway Station Carlisle Distance ¼ of mile Direction from gauge SE

Nearest Parish Church at St James Distance ¼ of mile Direction from gauge NW.

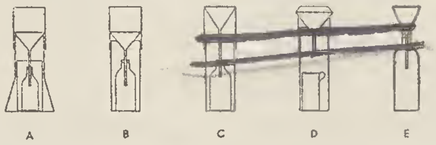
Nature of objects nearest to gauge	Cotton Mill			
Height of objects	50 feet			
Distances ...	300 yards			
Directions from gauge ...	SW			

If gauge has been moved during the year state—

Date of move — Distance — Direction —

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B.**)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:— —

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Jan est'd from nearby stns

M. O. [illegible]
10 JAN 1941
B. R.

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

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3621

Section **A** for the entry of Dail

COPY FOR OFFICIAL USE.

AIR MINISTRY.—M

RITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTE

L IN 1931 .

3621.

CUMBERLAND

ROSE HILL

CARLISLE

1931 – 40 A/B 1936.

780703

Kept at ROSE HILL, CAR

in the County of CUMBERL

Diameter of Funnel of Gauge

Height of top of Gauge above Ground

,, Ground ,, Sea Level

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	TR.	TR.	TR.	·02	TR.		·17		·50	·16	TR.	TR.	1
2	TR	04		·24		·99	·02	TR.	TR.	·08	·17	·26	2
3						·15	·22		·34	·13	1·18	·23	3
4		·06		04					·01	·02	·04	·10	4
5				TR.	·08	·71	·05	·13	TR.	·01	TR.	·76	5
6		·34	TR			·57	·27	TR.	TR.	·37	·33	TR.	6
7	TR.	·04	·04		·02	·42		·10		·08	·07	·15	7
8	·08	·13	·01	TR.	·02		·99	·04	·11	·12	·09	·03	8
9	·02	·16	·05	·02	·12	·10		·41	·02	·48	·03	·02	9
10	·12	·18	·03	TR.	·37	·23			TR.		07		10
11	·23	·46	TR.	·14		·02	·28	TR	·06	·15	·27	·02	11
12	TR.	TR.		·03		TR.	·06		TR.	·06	·01		12
13			·67		·02	·08	TR.	·02		TR.	·01	·01	13
14	·03	·08	·04	TR.	TR.	1·81	·15	·20		TR.	·38	·03	14
15	·02	·54	TR.	·19		·12	TR.	·08	TR.	TR.			15
16	·30	·04		·22		TR.	·16	·64	·09	TR.	TR.		16
17		·06		·09	·01	·18	·32	·21			·54		17
18	·12				TR.	·43	·03	·07	·02	TR	·49	TR.	18
19	·06	·15		·01		TR.	·04	·58	·02	TR	TR		19
20	TR.	·19		TR.		TR.		·08			·11	·03	20
21	·17	·03	·13	TR.	·07	·01		·18			·03	·02	21
22	·07	·07	TR.	·16	·31	·12	·18				·01	·01	22
23	·31	TR.	TR.	·07	·33	·55	TR.			·13	·14	·26	23
24	·13	·03		·12	·25		·01				·30	·04	24
25	·16	·03	TR.	·24							·02	·03	25
26	TR.		TR.	·08						·01	·31		26
27	·11	·03		·07		·12	·31			·31	·02	·04	27
28	·47	·12	TR	·16	·38		·10		TR	TR	02	·01	28
29	·07		·02		·02		·26		·03	·35	·05	TR.	29
30	TR.	×		·02	·37	TR.	·07		·04	TR	TR		30
31	·08	×		×		×	·14		×	·17	×	·11	31
TOTAL	2·55	2·78	·99	1·92	2·37	6·61	3·83	2·74	1·24	2·63	4·69	2·16	YEAR'S TOTAL 34·51
*Days with ·01 in. or more.	18	20	8	18	14	17	20	13	11	16	24	19	198
*Days with ·04 in. or more.	15	16	5	13	9	15	17	12	6	13	16	9	146

40-9999

(Signed) Henry Lonsdale

[P.T.O.

*See Instruction 2 (*f*) on other side.

3621

Section **A** for the entry of Dail

28

COPY FOR OFFICIAL USE.

AIR MINISTRY.—~~METEOROLOGICAL OFFICE.~~ BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1931 .

Kept at ROSE HILL, CARLISLE,
in the County of CUMBERLAND.
Diameter of Funnel of Gauge.................in.
Height of top of Gauge above Ground.........ft.........in.
,, Ground ,, Sea Level 105 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	TR.	TR.	TR.	·02	TR.		·17		·50	·16	TR.	TR.	1
2	TR	04		·24		·99	·02	TR.	TR.	·08	·17	·26	2
3						·15	·22		·34	·13	1·18	·23	3
4		·06		04					·01	·02	·04	·10	4
5				TR.	·08	·71	·05	·13	TR.	·01	TR.	·76	5
6		·34	TR			·57	·27	TR.	TR.	·37	·33	TR.	6
7	TR.	·04	·04		·02	·42		·10		·08	·07	·15	7
8	·08	·13	·01	TR.	·02		·90	·04	·11	·12	·09	·03	8
9	·02	·16	·05	·02	·12	·10		·41	·02	·48	·03	·02	9
10	·12	·18	·03	TR.	·37	·23			TR.		07		10
11	·23	·46	TR.	·14		·02	·28	TR	·06	·15	·27	·02	11
12	TR.	TR.		·03		TR.	·06		TR.	·06	·01		12
13			·67		·02	·08	TR.	·02		TR.	·01	·01	13
14	·03	·08	·04	TR.	TR.	1·81	·15	·20		TR.	·38	·03	14
15	·02	·54	TR.	·19		·12	TR.	·08	TR.	TR.			15
16	·30	·04		·22		TR.	·16	·64	·09	TR.	TR.		16
17		·06		·09	·01	·18	·32	·21			·54		17
18	·12				TR.	·43	·03	·07	·02	TR	·49	TR.	18
19	·06	·15		·01		TR.	·04	·58	·02	TR	TR		19
20	TR.	·19		TR.		TR.		·08			·11	·03	20
21	·17	·03	·13	TR.	·07	·01		·18			·03	·02	21
22	·07	·07	TR.	·16	·31	·12	·18				·01	·01	22
23	·31	TR.	TR.	·07	·33	·55	TR.			·13	·14	·26	23
24	·13	·03		·12	·25		·01				·30	·04	24
25	·16	·03	TR.	·24							·02	·03	25
26	TR.		TR.	·08						·01	·31		26
27	·11	·03		·07		·12	·31			·31	·02	·04	27
28	·47	·12	TR	·16	·38		·10		TR	TR	02	·01	28
29	·07		·02		·02		·26		·03	·35	·05	TR.	29
30	TR.	×		·02	·37	TR.	·07		·04	TR	TR		30
31	·08	×		×		×	·14		×	·17	×	·11	31
TOTAL	2·55	2·78	·99	1·92	2·37	6·61	3·83	2·74	1·24	2·63	4·69	2·16	YEAR'S TOTAL 34·51
*Days with ·01 in. or more.	18	20	8	18	14	17	20	13	11	16	24	19	198
*Days with ·04 in. or more.	15	16	5	13	9	15	17	12	6	13	16	9	146

40-9999

*See Instruction 2 (*f*) on other side.

(Signed) Henry Lonsdale

[P.T.O.

3621

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3621.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

Kept at Rose Hill, Carlisle.

in the County of Cumberland

Diameter of Funnel of Gauge.................in.

Height of top of Gauge above Ground..........ft..........in.

,, Ground ,, Sea Level 105 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·22			·26			·01	·02	·27	·17	·14	·22	1
2	·42	TR			·04		·45	TR	·63	·05	·24	·33	2
3	·24	·01					·15	TR	·15	TR	·03	·15	3
4	·09	TR	·02	TR	·01		·23	·08	·02	·01		·09	4
5	·18		·39	·07	·02			·05	·24				5
6	·22		·08	·13	TR				·43	·12	TR		6
7	·02		·46	·11	·09	·03			·06	·27			7
8	TR	TR		·09	·02				·36	·84			8
9	·43	TR	TR	·83	·05				·08	·34		·03	9
10	·10	TR	TR	·08	·01				·47	·08		·02	10
11	·02	TR		·02	·40	·01	·36	·28	·02	TR	TR		11
12	·15			TR	·64		2·46	·18	TR	·31			12
13	·06	TR		·09	·19		·19	·03	·83	·03		·10	13
14	·34							TR	TR	TR	·02	·15	14
15	·20	TR			·61		TR	TR		·05	·04	·07	15
16	·43	TR	TR				TR	TR		·14		·79	16
17	TR						·06	·02		·63		·16	17
18		TR			·03		TR	TR	·01	TR		TR	18
19		TR	·09	·18	·04		·02		·01	·13		·02	19
20	·08		·10	·06	·02			·52	TR	·14	·05	·03	20
21	·14	TR	·80	TR			·14	·07	TR	·84	·12	·06	21
22	TR	TR	·21	·15			·27			·09	·72	TR	22
23				·18	·03		·09		·02	·10	·11	·02	23
24	·02	TR	·01		·01		·36		·54	·03	·02		24
25	TR	·02		TR	·14	·04	·02		·17	·19	·10	TR	25
26	TR	·01			·02		·28	·04	·29	·08	·08	TR	26
27			·22	·03		·60	1·12			·08	TR	·12	27
28			TR	·03	·48		·06			TR	·01	TR	28
29	·01		·86	·06	·06	·09	·56	33	TR	·23	·18	·03	29
30	TR	×	·26	·05		·19	·06	·19	·55		·14	TR	30
31	TR	×	·02	×		×		·09	×	·03	×	·07	31
TOTAL	3·37	·04	3·52	2·42	2·91	·96	6·89	1·90	5·15	4·98 4·98	2·00	2·46	YEAR'S TOTAL 36·60
*Days with ·01 in. or more.	19	3	13	17	20	6	19	13	19	24	15	18	186
*Days with .04 in. or more.	15		10	14	11	4	16	10	14	20	11	12	137

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*See Instruction 2 (*f*) on other side.

(Signed) Henry Lonsdale.

P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 3691

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Kept at ROSE HILL, CARLISLE

in the County of CUMBERLAND

Diameter of Funnel of Gauge EIGHT in.

Height of top of Gauge above Ground ONE ft. ONE in.

,, Ground ,, Sea Level 105 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·11	·04	·04			TR.		·02	TR.		·11			1
2	·63	TR.	·02	·04		·40		·01						2
3	·10	·21	·19	TR.	·15				·05	·01	TR.			3
4	·45	·54	·23	TR.	·15						TR.			4
5	·12	·15	·16	TR.	·14						·02			5
6	·21	·16	·09	TR.	·61						TR.	·03		6
7	·04	·31	·01		·07		·67	·05		·58	TR.			7
8	·10	·03	·35	·36	·04	TR.	·04	TR.		·37	·01	·01		8
9	TR.	·37	·01	TR.	·04		·14			·36	·06	·03		9
10	·22		·01		·01	·16	TR.			·05		·03		10
11				·03	TR.		·07			·10		·08		11
12	·07					·01	·16			TR.	·01	·01		12
13	TR.		·08		·07		·08	·10	TR.	·16	·11			13
14	·48	TR.	·04				·45	·01			·12			14
15			·15	·03	·01	·17	TR.	·02		·23	·07			15
16	·02	TR.	·25	·14	·21	·06	·10	·04		TR.	·01	·02		16
17	·06	TR.	·08		·03	·58		·19	·08	TR.	·06	TR.		17
18	·02	TR.	·13	·02		·24		·07			·03	·05		18
19		TR.	·07		·01	·12		·27	·24		·15	TR.		19
20		·06		TR.	·38	TR.		·05	·04	·05	TR.	TR.		20
21		TR.			TR.			·25	·03	·04	TR.			21
22					·29			·05	·03	·20	TR.			22
23					TR.			·10	·04		TR.			23
24		TR.		·17		·16	·14	TR.	·10		·01	·18		24
25		·12		·20			·01	TR.	·33			·06		25
26	TR.	·20		·09					·19	·11	TR.	·02		26
27		·07		·04			·82			·04	TR.			27
28		TR.		TR.	·01		·26	·73		·25		TR.		28
29	TR.		·02	·23			·12	·01		·07		·01		29
30	·09	×	TR	TR		·01	·39		·04	·04		·03		30
31	·54	×	·06	×		×	TR.	·23	×	·06	×	·12		31
TOTAL	3·26	2·26	1·99	1·35	2·22	1·91	3·45	2·20	1·17	2·72	·77	·68	Year's Total 23·98	
*Days with ·01 in. or more.	16	12	19	11	16	10	14	17	11	17	13	14	170	
*Days with ·04 in. or more.	10	11	14	8	11	8	13	12	9	16	7	5	124	

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*See Instruction 2 (*f*) on other side.

† Spare column, no entries required.

(*Signed*) Henry Lonsdale

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 3621.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

Kept at ROSE HILL, CARLISLE.
in the County of CUMBERLAND
Diameter of Funnel of Gauge EIGHT in.
Height of top of Gauge above Ground ONE ft. ONE in.
,, Ground ,, Sea Level 105. ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·19		·06	TR.	·01			·03	·24		TR.	·22		1
2	TR.		·12					·55	·08		·29	·33		2
3	·22		·02							·07	·14	·13		3
4	·37		TR	·02	·01				·01	·10	·02	·57		4
5	TR.		·16		·45			·13		·03		·08		5
6	·08		·05	·10	·31	·08		·28	·13	·33		·08		6
7	·33	·09	·06	·03		·06			TR.	·01		·12		7
8	TR.		TR		·11	·01		·07	·08	·27		·13		8
9	·01	TR.	TR	·29				·25	·14	·09	·09	·11		9
10	·02		·03	·18				·56	·05	TR.	·06	·01		10
11	·17		·04	·52	TR.			·03	·01	·01	·02	·07		11
12	·02	TR.	·04	·54			·46	·10		·03	TR.	·03		12
13	·12	TR.		·01	·08		1·50	TR		·10	·01			13
14	·37		·16	·02	·02	·07				·15	·02	·03		14
15	·06	TR.	·03		·71	·01	·04	·03	·13	·17	TR.	·02		15
16	·61		·22		·07					TR.	·04			16
17	·06		·44	·06	·03	TR.	·18		·24	·01	·02	·30		17
18	·82		·07	·02	·14	·44	·10	·17	·01	TR.	TR.	·25		18
19	TR.	TR.	·04	·22	·31	·10	·03	·03	·10	·24	·01	·05		19
20				·18	·25	·11	·01	·21	·08	·05	·01	TR.		20
21			·03	·02	·07	·40	·07	·12	·11	·01	TR.	TR.		21
22			·04			·35	·03	·59	·42	·05	·01	TR.		22
23			·10	·32			·45			·38	·04	TR.		23
24		·05		·12	·14	·04	·02	TR.	·13	·78				24
25	TR.		·05	·20	·01	·45	·10		·19	·22	TR	·26		25
26	·11		02	·02		·46	·01		·08	·29	TR.	·08		26
27						·19	·13		·04	·42		·07		27
28	TR.			·12			·02	·40	·01	·22		·47		28
29	·01		TR.	TR.			·32	·56	·09	·37		·12		29
30	·24	×					TR.	·02	·72	·21		·14		30
31	TR.	×		×		×		TR	×		×	·17	Year's Total	31
TOTAL	3·81	·14	1·78	2·99	2·72	2·77	3·47	4·13	3·09	4·61	·78	3·84	34·13	
*Days with ·01 in. or more.	18	2	20	19	16	14	16	18	22	25	14	24	208	
*Days with .04 in. or more.	14	2	14	12	11	12	10	13	18	19	6	20	151	

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*See Instruction 2 (*f*) on other side.

† Spare column, no entries required.

(*Signed*) Henry Lonsdale

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3621

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at ROSE HILL, CARLISLE,

in the County of CUMBERLAND

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft. .... in.

,, Ground ,, Sea Level .... ft.

Rcd. in Office 17/10/36

Ack. 17/10.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·77	·04	·01	TR			·27		·40		TR	·29		1
2	TR	·12				·09	·04		·57	·08	·02	·03		2
3	TR	·48	·08			·33	·02		·02		·21	·02		3
4		TR	·07			·22	·11		·01	·18		·03		4
5	TR	·62	·07			·05	·04		TR	·09	·11	·01		5
6	·01		TR			·50				·17	·04	TR		6
7	TR		TR	·10		·11				·31	·08	·17		7
8	TR	TR		·19		·19		·02		·37	TR	·32		8
9	TR	·07		·34		·02	·01			·68	·06			9
10	·03	·28		·09		·09				·27	·17			10
11	·22	·01		·04		·04		·17		·13	·09			11
12		·18				·08			·06	·12	·02			12
13	·15	·07		TR	·20	·06	·01	TR	·02	·03	·02	TR		13
14	TR	·02	·01	TR		·04	TR	·01	·02	TR	·15	·18		14
15	TR	·37	~~·03~~	·35	·15	TR		·02	·36	·23	·08	·12		15
16	·01	1·04	·08	1·20	·28	·14	·11	·34	·19	TR	·10			16
17	TR			·46		·18		·04	·05	·22	·13			17
18	·01	·05				·03	·17	·11	·25	·38	·02	TR		18
19		·10		·07		·11	·43		·10	·14	·12			19
20	TR	·26		·12		TR	·01				·09			20
21		·02	·22	TR					·24	·20	·13			21
22	TR	·10	·14	·12					TR		TR			22
23	·06	·24	·08	·13		·40		·20	·02	·41		TR		23
24	·40	·35	·23	·08					·30	·06	TR	·06		24
25	·07	TR				·02		·06		TR	·20	·07		25
26		·02				·34		·87	·21	·21	·01	·10		26
27		·05				·01	·12		·15	·45	·29	·06		27
28	·05	·22						·09	·13	·39	·03	·04		28
29	TR					·13		·07	·23	·26	·41	·05		29
30	TR	×				·38		·13	·21	·52	·68	TR		30
31	·13	×	TR	×		×			×	·10	×	·28		31
													Year's Total.	
TOTAL	1·91	4·71	·99	3·29	·63	3·56	1·34	2·13	3·54	5·90	3·26	1·83	33·09	✓
* Days with .01 in. or more.	12	22	10	13	3	23	12	13	20	24	24	16	192	
* Days with .04 in. or more.	8	18	8	13	3	19	8	10	15	23	18	12	155	

40-9999

† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(Signed) Henry Lonsdale.

[P.T.O.

CARLISLE (ROSE HILL)

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3621.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1937

Kept at ROSE HILL, CARLISLE

in the County of CUMBERLAND

Diameter of Funnel of Gauge 8 in.

Height of top of Gauge above Ground 1 ft. 1 in.

,, Ground ,, Sea Level 105 ft.

893035/28

1936 NR

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ✓

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·07	·01	·03			·19	·04		·48	·24	TR.	·02		1
2	·10	·41	·02	·11		·20	·01		·01	·01		TR.		2
3	·03	·39	TR.	·06	·07	·26	·46		TR.			TR.		3
4	·32	TR.	·02	·73	·07	·03	·06		·33			·17		4
5	·29	·02		·19	TR.	·06	·19	TR.	·42			·15		5
6	·04		TR.	·07	·04	·05	·03	·03	·04	TR.		·01		6
7	·01	·13	TR.	·24	·02		·07		·09		·03	·08		7
8	TR.	·38		·06		TR.	·32	TR.				TR.		8
9		·01	TR.	TR.	·14	·01	·07	·09						9
10		·07			·02	·03	·01					·17		10
11	·01	TR.	·10	TR.	TR.				·01	TR.		·05		11
12	·42	·23	·06	·03	·12	·19	·05	·31	·17			·32		12
13		·22				·06		·17		TR.		·23		13
14		·04	·01	·02			·28	·75	·21	·04	·01	·10		14
15	·02	·54	·02	·69	TR.		·05		·17			TR.		15
16	·08	·16	·35	·09		TR.		·19						16
17	·22	·03	·09	·03				·02	·31					17
18		·26	·07	·18		·20	TR.	·37	·06		·07			18
19	·07	·14	·01	·01	·02	·01			·01		·06			19
20	·31	TR.	·03	·21	·94	·26	·18			·06	·02	·02		20
21	·16	·01	·03	TR.	·08		·52			·03	·02	·03		21
22	·09		TR.	TR.	·69		·03				·01	·28		22
23	·02		·04	TR.	·16		·15		·10	·68	TR.	·07		23
24	·27	TR.	·03		·01		·09		·08	·23	TR.	TR.		24
25	·02	·17	TR.					·01		·12	TR.	·01		25
26		·20	TR.	TR.	·32					·05	TR.	·01		26
27		·32		·26		TR.			·07	·39		·02		27
28	TR.	TR.			TR.	·06				·02	TR.	TR.		28
29	·01					·07		TR.		·07	·05	TR.		29
30	·04					·06		·01	·11	·05	·23	·02		30
31	·07				·01			·34		·03				31
TOTAL	2·67	3·74	·91	2·98	2·71	1·74	2·61	2·29	2·67	2·02	·50	1·76	Year's Total 26·60	
* Days with .01 in. or more.	22	20	15	16	15	16	18	11	17	14	9	18	191	
* Days with .04 in. or more.	15	15	6	12	10	12	14	7	13	10	4	10	128	

Pas[t] printed

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) Henry Lonsdale

X H. LONSDALE

[P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3621

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938.

Kept at ROSE HILL, CARLISLE.

in the County of ....

Diameter of Funnel of Gauge..........in.

Height of top of Gauge above Ground.......ft.......in.

,, Ground ,, Sea Level ....ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1		14	03	12		81			05		13	19		1
2	TR.	04	TR.	30		TR.			29	67	54	18		2
3	TR.	03				02	36		17	76	22			3
4	TR.	TR.		05		12	10			43	03	76		4
5	01	08		TR.		07	24	TR.	01	17		04		5
6	22					03	09		04	39	01	TR.		6
7	08						42	TR.		22	24	TR.		7
8	07	06				01	16	10		47	1·24	06		8
9	14	33			09	02	02			08		42		9
10	01	TR.				13	27			11	TR.	04		10
11	11	01			05	06	13		TR.	07	06	16		11
12	09				04		TR.	01		73	1·13	03		12
13	10	TR.			04		41		07	02	11	06		13
14	31				11							07		14
15	21	TR.	11		13			60	TR.	46	02	14		15
16	16	TR.	02		36			09	15	18		04		16
17	TR.		02		TR.		01	54	43	37	03			17
18	11		03			07		12	48	47	43			18
19	03		28		TR.	06		83	03		09	20		19
20	22		73			01		19	07		TR.	04		20
21			01	TR.	05	02		10	02	07	54			21
22	TR.	TR.		TR.	11						33	01		22
23	01		TR.		24	41		TR.	15		48			23
24	14		05		TR.	08		06	10	32	12			24
25	07	01	07		32	TR.	1·14			25	11	12		25
26	06	26	17	01	43	51			01	38		04		26
27	11	09			15	23	45	09		04	27			27
28	36	04	05		1·10	50	03			TR.	10	14		28
29	09		TR.		15	15	77	07		16	17	17		29
30	05		TR.		04	05	22		42	TR.	54	08		30
31	23		10		22					20		55		31 Snow rain
TOTAL	2·99	1·09	1·67	·48	3·63	3·36	4·82	2·80	2·43	7·02	6·94	3·54	Year's Total 40·77	✓
* Days with .01 in. or more.	24	11	13	4	17	20	16	12	16	23	23	22	201	✓
* Days with .04 in. or more.	20	8	8	3	17	14	13	11	12	22	19	20	167	✓

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*) Henry Lonsdale

P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3621.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939.

Kept at ROSE HILL, CARLISLE,

in the County of CUMBERLAND.

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft.........in.

,, Ground ,, Sea Level ..105.........ft.

Kindly acknowledge HL

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·09		35				19	35	TR.	TR.		12		1
2			10	03			16	25	46		TR.	03		2
3		TR.	07	13			05	TR.	02	01	01	27		3
4		13	21	02			16				TR.	09		4
5		08	23		12		32	01		07	31			5
6	·18	24	20		08		27				02	TR.		6
7	·48	24	23		81		TR.		07	TR.	04	07		7
8	1·24	49	35	30			07		05		17	37		8
9	·28	·42	TR	TR.	TR.	03	19	54	04	50	01	19		9
10	06	TR.	07			16		21	36	21	12	TR.		10
11	05	17	36			06		02	TR.	02	03			11
12		16			TR	01	TR.	01	17	25	TR			12
13	10	TR	02	04	24	01	48		02	06	12			13
14	30			11	23	37	20			TR.	58			14
15	23	01	10	20		43	10			08	07			15
16	30	08	02	05			33				16			16
17	26	04	03	02	TR.	03	12				04			17
18	08	11	14			30	06			02	60			18
19	26	01	TR.			07	TR.				TR.	01		19
20	06		01		04	09	25			TR.	01			20
21	11	12	05	12	02			14	02	TR.	TR.			21
22	12	04	08				11	TR.		08	33	TR.		22
23		14	02	26		06		TR.		TR.	TR.	TR.		23
24	09	08	TR.	21		02					11	01		24
25	23	05	08	02		TR		06			61	02		25
26		19	02					26		29	18			26
27	TR.	10	11	03		33	15	50		06	08	TR.		27
28		12	02	02		22	51			TR.	30			28
29			TR.			11	47			03	09			29
30						65	01			03	52	TR.		30
31							45			01		TR.		31
													Year's Total	
TOTAL	4·52	2·66	2·87	1·56	1·54	2·95	4·65	2·35	1·21	1·72	4·51	1·18	31·72	
* Days with .01 in. or more.	19	21	23	15	7	17	21	11	9	15	23	10	191	
* Days with .04 in. or more.	19	19	16	9	6	12	20	8	6	9	18	6	148	

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) Henry Lonsdale

[P.T.O.

COPY FOR OFFICIAL USE 893035/28.

Section **A** **for the entry of Daily Observations** Station No. 3621

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1940.

Kept at ROSE HILL, CARLISLE.

in the County of CUMBERLAND.

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft.........in.

,, Ground ,, Sea Level ....ft.

Jan 25th est from nearby stns

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	TR	----	----	07	---	---	02	----	---	---	II	2I		1
2	---	----	TR	20	----	----	I6	----	04	----	33	I7		2
3	.0I	0I	TR	08	----	----	TR	----	----	0I	02	03		3
4	TR	23	---	0I	----	---	I6	0I	07	07	TR	I4		4
5	TR	TR	---	TR	27	---	I2	TR	0I	36	I2	43		5
6	02	02	---	---	---	---	46	---	---	I5	I8	I5		6
7	I7	02	TR	20	05	---	I0	I4	05	03	TR	TR		7
8	TR	---	29	---	---	---	07	I5	02	24	05	I4		8
9	TR	---	70	---	---	---	42	28	06	24	25	I3		9
10	TR	---	09	---	---	---	69	23	TR	03	20	06		10
11	---	---	98	0I	---	---	68	---	II	TR	8I	TR		11
12	---	---	70	---	---	---	TR	09	I9	TR	TR	---		12
13	---	TR	07	---	---	---	II	TR	03	TR	04	0I		13
14	---	07	07	3I	TR	---	59	05	---	TR	---	05		14
15	03	---	0I	TR	07	TR	---	---	---	03	09	02		15
16	TR	---	0I	0I	---	---	24	---	I.38	34	03	03		16
17	---	---	I8	TR	---	---	I.I0	04	I0	0I	09	I3		17
18	TR	0I	34	02	---	---	04	40	50	---	02	27		18
19	TR	I0	I8	02	---	---	0I	02	42	---	I8	02		19
20	---	---	I2	I4	---	---	0I	54	04	I4	09	---		20
21	---	---	22	07	---	4I	06	TR	02	I4	----	---		21
22	---	TR	05	TR	07	5I	----	02	39	TR	---	---		22
23	03	I4	05	II	03	---	30	---	04	0I	2I	----		23
24	I6	02	---	I7	I0	---	08	TR	---	05	TR	0I		24
25	(.40)	---	---	TR	70	06	---	---	---	0I	TR	---		25
26	I3	I2	TR	----	22	---	---	22	---	TR	05	TR		26
27	20	03	---	----	TR	---	0I	---	---	---	----	TR		27
28	04	---	0I	---	24	---	TR	04	---	---	---	09		28
29	TR	TR	30	06	I5	02	05	---	---	08	03	55		29
30	---	X	TR	0I	0I	---	---	---	---	I9	TR	46		30
31	---	X	32	X	TR	X	---	---	X	I4	X	----		31
TOTAL	1.19 ~~.79~~	.77	4.72	I.49	I.9I	I.00	5.48	2.23	3.47	2.27	2.90	3.I0	Year's Total ~~30.15~~	30.53
* Days with .01 in. or more.	~~9~~ 10	II	I9	I6	II	4	22	I4	I7	I9	I9	20	I8I?	
* Days with .04 in. or more.	~~5~~ 6	5	I6	I0	9	3	I8	II	I3	I2	I5	I4	I3I?	

† Spare column, no entries required.

(*Signed*) Henry Lonsdale.

* See Instruction 3 (f) on other side.

[P.T.O.

3622

SCALEBY HALL

1931-40

780703

33 Section **A** for the entry of Da

AIR MINISTR …LL ORGANIZATION.

FORM 1091.

FOR OFFICIAL USE. 3622

REGI… 1931.

Kept at Carlisle, S

in the County of Cumb

Diameter of Funnel of Gauge

Height of top of Gauge above Grou

„ Ground „ Sea l

THE MORNING MEA… …IOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following.

Records taken in Inches should be entered on Form 1090.

Date.	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date.*
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	
1			3·8	1·3				·2	14·9	6·0		1·5	1
2			·2	5·6		18·9	3·4		8·4	2·6	13·0	6·8	2
3		1·4				3·8	8·0		4·4	5·0	20·8	5·5	3
4		2·1		1·5						1·0	·7	8·2	4
5					2·6	15·8	1·1	1·1		1·1		14·2	5
6		9·4	·7			14·5	6·8			7·7	7·9	1·3	6
7		1·2	·4		·5	6·8		3·0		2·0	6·7	2·5	7
8	2·1	2·8	·1		·8	·7	26·0	·8		1·0	2·7	1·0	8
9		5·6	·5	1·6	1·0	3·8		9·8	·6	21·4	1·2	·3	9
10	5·0	2·3	·2		10·5	9·7					3·2		10
11	5·8	11·3		2·4	·3	·3	7·6	·2		4·7		·6	11
12		2·7	·8	2·0		·2	2·4	·1		2·4	5·6		12
13		1·2	17·8		1·5	3·3	1·8				·3		13
14	2·0	3·4	1·1	·5		1·61 41·0	3·8	6·5	·2		14·7	1·6	14
15	4·4	10·3		5·4		5·8		1·1	4·7		·2		15
16	8·0	2·3	·2	5·8		2·5	1·1	17·3					16
17		1·8		2·0		8·5	9·1	5·6					17
18	3·2			·3			1·3	5·2	·5		11·0		18
19	2·4	4·0				·2	1·4	10·2			8·3		19
20	·3	6·0						2·1			2·7	1·6	20
21	5·1	1·7	2·6	·3	2·8	·2	·6	5·8			10·0		21
22	5·5	1·6	2·0	6·2	4·8	3·0	7·5				3·4		22
23				1·6	3·3	14·2	·3			5·2	2·1	8·4	23
24	3·2	2·6		3·1	9·0		·3				11·8		24
25	1·8	·8		8·5	·6					3·2	·3	2·4	25
26				1·4							7·8		26
27	4·4	1·3		3·8		2·2	8·0					2·0	27
28	9·0	·4		2·1	13·5		·6						28
29					·6		12·4		·2	8·5	·5		29
30	·3	X		·7	14·0				2·3				30
31	3·4	X		X	·2	X	3·9		X	3·5	X	6·0	31
TOTAL	65·9	76·2	30·4	56·1	66·0	155·4	107·4	69·0	36·2	75·3	134·9	63·9	YEAR'S TOTAL 936·7
Days with 0·2 mm. or more.	17	22	12	20	16	20	21	14	9	15	22	16	204
Days with 1·0 mm. or more.	15	20	5	16	10	15	17	11	5	15	17	14	160

Please read the Notes and Instructions Overleaf.

(144w) 2·59 3·00 1·20 2·21 2·60 6·12 (S[illegible]23 2·72 1·43 2·96 5·31 2·52 36·89 P.T.O.

M

33 Section **A** for the entry of Da

FOR OFFICIAL USE.
3622

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

Form 1091.

REGISTER OF RAINFALL IN 1931.

Kept at Carlisle, Scaleby Hall
in the County of Cumberland
Diameter of Funnel of Gauge .... in.
Height of top of Gauge above Ground .... ft. .... in.
,, Ground ,, Sea Level .... ft.

150
400.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following.

Records taken in Inches should be entered on Form 1090.

Date.	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date.*
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	
1			3·8	1·3				·2	14·9	6·0		1·5	1
2			·2	5·6		18·9	3·4		8·4	2·6	13·0	6·8	2
3		1·4				3·8	8·0		4·4	5·0	20·8	5·5	3
4		2·1		1·5						1·0	·7	8·2	4
5					2·6	15·8	1·1	1·1		1·1		14·2	5
6		9·4	·7			14·5	6·8			7·7	7·9	1·3	6
7		1·2	·4		·5	6·8		3·0		2·0	6·7	2·5	7
8	2·1	2·8	·1		·8	·7	26·0	·8		1·0	2·7	1·0	8
9		5·6	·5	1·6	1·0	3·8		9·8	·6	21·4	1·2	·3	9
10	5·0	2·3	·2		10·5	9·7					3·2		10
11	5·8	11·3		2·4	·3	·3	7·6	·2		4·7		·6	11
12		2·7	·8	2·0		·2	2·4	·1		2·4	5·6		12
13		1·2	17·8		1·5	3·3	1·8				·3		13
14	2·0	3·4	1·1	·5		1·61 41·0	3·8	6·5	·2		14·7	1·6	14
15	4·4	10·3		5·4		5·8		1·1	4·7		·2		15
16	8·0	2·3	·2	5·8		2·5	1·1	17·3					16
17		1·8		2·0		8·5	9·1	5·6					17
18	3·2			·3			1·3	5·2	·5		11·0		18
19	2·4	4·0				·2	1·4	10·2			8·3		19
20	·3	6·0						2·1			2·7	1·6	20
21	5·1	1·7	2·6	·3	2·8	·2	·6	5·8			10·0		21
22	5·5	1·6	2·0	6·2	4·8	3·0	7·5				3·4		22
23				1·6	3·3	14·2	·3			5·2	2·1	8·4	23
24	3·2	2·6		3·1	9·0		·3				11·8		24
25	1·8	·8		8·5	·6					3·2	·3	2·4	25
26				1·4							7·8		26
27	4·4	1·3		3·8		2·2	8·0					2·0	27
28	9·0	·4		2·1	13·5		·6						28
29					·6		12·4		·2	8·5	·5		29
30	·3	X			14·0				2·3				30
31	3·4	X		X	·2	X	3·9		X	3·5	X	6·0	31

	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	YEAR'S TOTAL
TOTAL	65·9	76·2	30·4	56·1	66·0	155·4	107·4	69·0	36·2	75·3	134·9	63·9	936·7
Days with 0·2 mm. or more.	17	22	12	20	16	20	21	14	9	15	22	16	204
Days with 1·0 mm. or more.	15	20	5	16	10	15	17	11	5	15	17	14	160
	2·59	3·00	1·20	2·21	2·60	6·12	4·23	2·72	1·43	2·96	5·31	2·52	36·89

Please read the Notes and Instructions Overleaf.

(Signed) ....

(144w)

P.T.O.

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3622

FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1091.

REGISTER OF RAINFALL IN 1932.

Kept at Carlisle Scaleby Hall

in the County of Cumberland

Diameter of Funnel of Gauge..........in.

Height of top of Gauge above Ground..........ft..........in.

,, Ground ,, Sea Level..........ft.

150

400

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	
1	4·0			5·4			·3	·4	6·0	2·0	3·4	5·9	1
2	8·7	·6			1·0		18·0	·5	14·2	·7	4·6	8·2	2
3	4·3						11·3	·3	2·1		·8	5·2	3
4	2·5		·6		·8		5·7	2·1	1·1			1·2	4
5	4·9		1·1	2·8	·5		·5	1·7	7·9				5
6	5·0		7·2	4·6			·3	·2	8·9	2·2			6
7			10·4	1·7		3·3			2·4	6·0			7
8				4·8				1·4	9·0	21·1			8
9	13·1		·5	15·4	1·5				3·1	8·5			9
10	3·0	·6		3·3					13·4	3·3			10
11				·8	11·9	·2	7·0	9·4	2·1	2·0		·7	11
12	4·8				15·5		1·29 32·9	10·9		6·1			12
13	3·2	1·2		2·2	6·1		2·5	·5	14·7	·6		5·6	13
14	12·3			1·6					·1			3·5	14
15	5·6				17·2		·2		·2	·7	2·2	9·5	15
16	9·6						·2	·1		5·1	·4	13·6	16
17							1·2	·3	·1	18·2		5·0	17
18					1·8			·3					18
19			3·7	5·9	1·0		·8			3·6			19
20	4·2		5·3	2·0	·6		·6	9·9		2·8	1·2	·1	20
21	5·0		14·9	1·1			5·0	2·2		24·5	2·2	·3	21
22			8·2	4·0			5·3			2·6	16·6	·2	22
23				2·9	6·4		1·8			2·0	4·6		23
24	1·1				·5	·5	3·5		8·0	·6	1·2		24
25		·2			1·8	1·5	·9		2·4	6·7	2·2		25
26		·3					27·0	·1		6·9	1·5		26
27			4·4	5·4		13·3	29·7			2·3	·2	4·5	27
28			10·0	2·0	8·6	·3	3·3					1·5	28
29	·7		14·0	·8	1·7	1·7	12·3	·3	·3	5·5	5·2		29
30		✕	1·1	·3		3·3	2·0	8·7	18·7	·3	2·7		30
31	·5	✕		✕		✕	·1	5·8	✕	2·2	✕	·5	31 YEAR'S TOTAL
TOTAL	92·5	2·9	81·4	67·0	76·9	24·1	172·4	55·1	114·7	136·5	49·0	65·5	938·0
Days with 0·2 mm. or more.	18	5	13	19	16	8	24	17	17	25	15	15	192
Days with 1·0 mm. or more.	16	1	11	16	12	5	16	9	15	20	12	11	144
(144W)	3·64	·11	3·20	2·64	3·83	·95	6·79	2·17	4·52	5·37	1·93	2·58	36·93

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(Signed)..........

P.T.O.

3622

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Section **A** for the entry of Daily Observations.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1091.

REGISTER OF RAINFALL IN 1933.

Kept at Carlisle Scaleby Hall

in the County of Cumberland

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

,, Ground ,, Sea Level .... ft.

150

400

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	
1	3·1	3·2	·7					·5					1
2	17·0	·3	·6	2·0		11·1		·2					2
3	·6	9·3	3·9		1·9	4·1			2·5				3
4	·5	10·1	6·0		5·1								4
5	2·6	6·2	2·5								1·3		5
6	·3	3·3	1·6		14·5						·3		6
7	·9	9·5			·7		8·5			15·2			7
8		3·5	18·0	8·3	2·5		·5	·2		8·2			8
9	2·3	4·2	·4							10·2	2·3		9
10	4·7		·5	·8	·7		1·5			1·1	·2	1·3	10
11					·6		7·5					·5	11
12	2·9	·2					4·4						12
13			2·0		·5		5·3	2·5	2·0		4·0		13
14	8·3		18·0		1·1		7·7	2·0		·8	1·5		14
15			3·2	·7		8·5	7·7	1·3		4·5	1·9		15
16	1·0		4·2	5·0	6·0	1·8	4·4	1·5			·4	4·7	16
17	1·2		2·4		·6	11·7	4·2	2·6	1·0		2·6		17
18	·5		3·3	·4	·2	10·0	·2	8·3			2·0		18
19		·5	·6	·3	·3	·3		10·2			3·8		19 96 +
20					8·6	1·5		·2	4·3				20
21					·2			2·1	1·2	1·0	·2		21
22					7·8			1·0		6·2			22
23		·9						1·8			·1		23
24		4·6		9·5		2·5	4·4	·2	·9		1·1	6·5	24
25		2·0		5·0	1·5		·5	·1	4·7	·3		1·9	25
26		4·8		3·4			·89			3·5			26
27		2·4		2·5			22·5			·5			27
28				·3			4·2	18·4		4·7		·5	28
29			1·1	1·1			4·0			3·3		·9	29
30	3·0	×				·2	13·3		·7	1·0		3·3	30
31	·71 18·0	×	1·9	×		×		5·4	×	·5	×	2·1	31
TOTAL	66·9	65·0	70·9	39·3	52·8	51·7	88·9	58·5	17·3	61·0	21·7	21·7	YEAR'S TOTAL
*Days with 0·2 mm. or more.	16	16	18	13	17	10	15	17	8	15	13	9	167
*Days with 1·0 mm. or more.	11	12	13	8	9	8	12	12	6	11	9	6	117
	2·63	2·56	2·79	1·55	2·08	2·04	3·50	2·30	·68	2·40	·85	·85	24·23

(144W)

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[P.T.O.

3622

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Section **A** for the entry of Daily Observations.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1091.

REGISTER OF RAINFALL IN 1934.

Kept at Carlisle, Scaleby Hall

in the County of Cumberland

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground..........ft..........in.

,, Ground ,, Sea Level ....ft.

150

400

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

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Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	
1	6·0							2·0	6·1			3·1	1
2			4·7					14·8	2·4			2·3	2
3	5·5		·7					2·0		2·1	3·7	7·1	3
4	10·4		·2						2·8	·4	·5	23·1	4
5	·2		3·3	·3	8·5			4·0		2·5		2·5	5
6	4·6		2·1	1·1	11·4	5·0		8·7	4·7	9·7		2·0	6
7	7·0	2·9	·3	2·4	·5	·4			·5	4·2		4·9	7
8			1·1		5·7			2·2	2·5	7·8		2·3	8
9	2·9			2·5				6·5	8·8	3·7	2·2	3·9	9
10	3·4		·3	4·0	·3			13·5	2·3	·2	·7	·5	10
11	2·6		1·3	15·0	·2			1·1	1·8	·1	·8	·3	11
12	·4		3·4	14·5	·5		5·6	2·1		1·5	·6		12
13	4·7				1·2		1·15 29·2			3·1		1·4	13
14	7·2		4·8	·8	·5	1·6				3·0	·3	·2	14
15	·8		·3	·2	19·4	·5	1·0	3·1		3·7			15
16	19·2		6·7		1·0				3·4	·4	·5		16
17	3·7		14·9	2·5	1·8	·2	5·8		8·6	·3		8·8	17
18	16·3		3·7	·7	2·5	13·3	·6	5·3	·5	·2	·3	7·5	18
19			1·1	4·1	9·2	1·4	·6	1·0	1·5	5·2	1·5		19
20				5·5	4·8	6·4		7·8	·3	·6	·2		20
21			·9		2·7	22·5	·5	2·2	4·6				21
22	1·7					·3	4·0	3·5	11·2	4·1	·3		22
23			3·7		·3		3·9			7·8	1·2		23
24	·4	1·2		2·3	·1		·4		+ ? +13·2	16·5			24
25			3·7	5·6	·4		3·5			11·7		3·4	25
26	3·0			2·1		12·6	1·7		2·8	6·5		2·8	26
27						14·6	3·4		1·2	4·3		3·0	27
28				3·0		14·4	·6	10·6	·9	1·3		9·0	28
29			·7	·5			6·8	12·7	2·9	12·5		4·3	29
30	5·0	×					·3	1·2	20·2	4·7		3·2	30
31	·3	×		×		×		·3	×		×	14·2	31
TOTAL	105·3	4·1	57·9	67·1	71·0	93·2	67·9	104·6	103·2	118·1	12·8	109·8	YEAR'S TOTAL
*Days with 0·2 mm. or more.	21	2	20	18	18	13	16	20	23	26	13	22	212
*Days with 1·0 mm. or more.	16	2	13	13	11	9	10	19	19 ?	20	4	19	155
	4·15	·16	2·28	2·64	2·80	3·67	2·67	4·12	4·06	4·65	·50	4·32	36·02

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3622

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1091.

REGISTER OF RAINFALL IN 1935.

Kept at Carlisle, Scaleby Hall

in the County of Cumberland

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

,, Ground ,, Sea Level .... ft.

150

400

TL

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	
1	7.8	3.2	.3				6.9		12.4		.2	8.7	1
2	2.0	6.1	1.2		1.2	1.2	3.2		16.4	3.8	1.7	2.3	2
3		10.8	.7		3.2	3.2			1.2		4.0	.1	3
4			2.0			6.8	1.8			5.6			4
5		15.5	2.1			11.0	1.4			1.2	2.6		5
6			1.0			13.5				5.1	.7		6
7			.5	4.0		2.3				8.8	1.3	2.2	7
8				5.0		1.2		1.5		3.0	2.1	10.0	8
9	.3	1.2		10.8		2.0				15.0	1.1		9
10	2.5	8.5		1.2		3.4	.4			5.1	2.2		10
11	5.1			1.1		2.5		7.5		.4	.3		11
12		2.2				3.8			5.8	.5	2.4		12
13	2.6			.2	2.8	1.4		1.0		3.8	2.3		13
14	1.4	3.2	.2	1.3	.4	5.1			1.2	.8	3.5	3.3	14
15	.3	7.6		8.4	5.0	.3			10.5	6.2	1.1	2.2	15
16	.2	13.0	2.8	1.39 35.4	9.1	3.4	6.5	14.0	3.6	.6			16
17		.5		10.3		4.2	.8		6.1	5.2	8.9		17
18		3.3		.7		2.0	2.6	5.7	6.6	11.3	.2		18
19		6.9		.8		3.0	11.7		12.3	5.0	3.5		19
20		7.6		3.1		1.1	.3				.5		20
21		1.7	6.6						4.9	5.9	.1		21
22		2.7	2.9	4.0					.4		.8		22
23	1.7	8.4	1.0			16.7	1.2	4.3		9.3			23
24	6.2	4.6	5.0	1.2					7.0	1.2			24
25	5.1	1.5	.3			1.0		1.1			5.3	4.0	25
26						5.4		18.4	5.8	6.0	1.2	3.3	26
27		4.4				.7	6.3		3.4	15.7	10.2	.4	27
28	2.3	3.0						.8	3.0	12.4		1.4	28
29			5.3			3.2		1.4	6.3	4.7	5.0		29
30	1.0	×	1.7			7.6		4.8	8.5	14.2	18.2	.2	30
31		×		×		×			×	3.0	×	7.0	31
TOTAL	38.5	115.9	33.6	87.5	21.7	106.0	43.1	60.5	115.4	153.8	79.4	45.1	YEAR'S TOTAL
*Days with 0·2 mm. or more.	14	21	16	15	6	25	12	11	18	26	24	12	200
*Days with 1·0 mm. or more.	11	20	11	12	5	23	9	10	17	22	18	10	168
(144W)	1.52	4.56	1.32	3.44	.85	4.17	1.70	2.38	4.54	6.06	3.13	1.78	35.48

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[P.T.O.

3622

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Section **A** for the entry of Daily Observations.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1091.

REGISTER OF RAINFALL IN 1936.

Kept at Carlisle, Scaleby Hall

in the County of Cumberland

Diameter of Funnel of Gauge..........in.

Height of top of Gauge above Ground..........ft..........in.

,, Ground ,, Sea Level..........ft.

TL

150

400

Copy by B.R.O.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	
1	2.2	9.3	2.0			8.0	11.5	12.3	5.5	–	1.7	1.2	1
2						3.2	·2	·5	3.4	–	4.4	1.3	2
3	1.2							1.2	6.7	–	·3	2.2	3
4	6.7		1.2					·9	13.0	–	7.0	–	4
5	3.1		·4			·7		7.0	1.9	–	5.4	14.0	5
6	2.0		·2				24.0			–	·7	–	6
7	·1		2.2	·2					16.1	–	9.2	6.0	7
8	3.2		1.2				·2			–	7.5	–	8
9	12.0		7.8						6.3	1.5	2.6	–	9
10	9.2		·2				4.1		·5	–	1.5	–	10
11				1.8		1.3	1.6	5.9	·3	–	3.6	10.0	11
12				3.3			2.1	3.7	15.8	–	1.0	1.9	12
13				1.1	·9	·3	1.3	1.9	·4	2.7	3.7	16.4	13
14						6.8		5.5		–	4.2	17.2	14
15						5.8	3.2	5.4	6.4	2.0	3.3	2.2	15
16			1.5			13.5	·3			3.9	24.5	·2	16
17		1.1			1.6		9.8	1.8		8.0	–	12.2	17
18		·3		3.0			1.3	7.1		8.2	–	–	18
19	✗	9.5	·2				5.0	·2		·2	–	–	19
20	21.0	5.3	2.6	1.0		·7	3.8			·4	–	4.3	20
21	✓	2.3	·2							·2	–	–	21
22	✗	5.0			1.0		5.3			·7	–	–	22
23	✓	5.4	1.4	8.1	1.7		9.5	·2	2.00 50.7	–	–	–	23
24	✗	·3		3.5			2.2		2.4	21.5	–	–	24
25	9.4			·6			8.1			11.0	–	2.3	25
26	·4	2.0	1.3	1.1			1.3			7.5	–	–	26
27	3.9	·2	·8				·2		1.0	6.3	–	–	27
28	2.0	2.9	1.2		·6		13.6			·2	6.2	–	28
29	1.2	1.6	4.8		11.8	26.5	1.1			7.5	·6	·3	29
30	1.0	×	2.2			·9	8.2			4.5	1.1	·5	30
31	6.5	×	1.8	×	1.8	×	·2		×	–	×	–	31
TOTAL	85.1	45.2	33.2	23.7	19.4	67.7	118.1	53.6	130.4	86.3	88.5	92.2	YEAR'S TOTAL 843.4
*Days with 0·2 mm. or more.	20	13	19	10	7	11	24	14	16	17	19	16	186
*Days with 1·0 mm. or more.	17	10	13	8	5	7	19	10	13	12	16	13	143.
(144W)	3.35	1.78	1.31	·93	·76	2.67	4.65	2.11	5.13	~~3.40~~ 3.40	~~3.48~~ 3.48	3.63	33.20

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(Signed)..........

[P.T.O.

3622

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Section **A** for the entry of Daily Observations.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1091.

REGISTER OF RAINFALL IN 1937.

Kept at Carlisle, Scaleby Hall

in the County of Cumberland

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

,, Ground ,, Sea Level .... ft.

Query sent 9/4 see file

Copy by B.R.O.

150 XV 400

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	
1	1·7	·4	2·7	~~2·7~~	-	1·4	-	-	13·7	6·0	-	·6	1
2	2·4	4·0	2·4	3·2	-	4·7	-	-	·7	·5	-	1·3	2
3	5·1	20·3	·3	·3	2·8	6·8	7·8	-	·3	-	-		3
4	7·2	·2	·7	9·3	1·1	1·4	1·7	-	10·6	-	-	4·9	4
5	9·1	-	-	3·2	1·7	4·0	2·5	·5	11·6	-	-	↑ ✗	5
6	5·5	·5	·2	1·8	2·8	1·9	·4	·9	-	-	-		6
7	-	5·2	-	7·5	1·5	-	·4	-	-	-	1·2	✗	7
8	·4	-	1·2	2·5	-	-	5·8	-	·8	-	-		8
9	-	1·3	-	-	1·7	·5	4·5	2·4	1·2	-	-		9
10	-	2·4	-	-	3·0	1·0	-	-	-	-	-		10
11	2·1	-	2·2	-	-	·2	-	-	-	-	-		11
12	11·0	5·5	3·4	·3	1·5	8·0	3·1	4·6	6·0	-	-		12
13	-	5·0	-	·5	-	-	-	4·4	·2	-	-		13
14	-	3·0	·5	-	-	-	7·7	14·2	-	1·0	-	✗	14
15	·6	16·5	5 ~~1·1~~	2·2	·2	-	1·1	4·2	4·7	-	-		15
16	1·4	5·4	(6·1) ~~2·7~~	16·0	-	-	-	-	-	-	-		16
17	2·5	2·0	2·7 ~~3·4~~	1·8	-	0·1	-	-	6·1	-	-		17
18	-	3·7	3·4 ~~-~~	2·4	-	·24 6·0	-	4·0	·4	-	4·3		18
19	1·8	5·0	·7	7·5	·8	0·1	-	·4	·2	-	3·7		19
20	5·0	-	·4	·3	·92 23·4	·04 1·0	8·3	-	-	2·1	-	✓	20
21	3·7	-	-	4·0	·8	-	11·8	-	-	1·5	1·2	✗	21
22	2·2	-	·2	·5	22·1	-	6·2	-	-	-	1·5	35·6	22
23	·7	-	1·3	-	4·7	-	3·0	-	1·9	-	-	5·2	23
24	2·3	1·0	-	-	·4	-	2·6	-	2·3	15·8	-		24
25	·3	3·5	-	-	·2	-	-	·7	-	1·5	-	·3	25
26	-	2·8	(1·0)	-	18·1	-	-	-	-	2·4	-	·2	26
27	-	4·7	-	5·2	-	-	-	-	2·7	6·2	-	·3	27
28	-	5·3	-	-	·1	1·8	-	-	-	1·2	-		28
29	-	-	-	-	-	2·0	-	·8	-	2·0	3·0		29
30	3·1	×	-	-	-	2·5	-	·3	5·0	1·1	4·1	·7	30
31	1·9	×	-	×	1·1	×	-	15·6	×	·9	×		31
TOTAL	7·00	97·7	29·4 ~~23·4~~	68·5	88·0	43·5	66·9	53·0	68·4	42·2	19·0	49·1	YEAR'S TOTAL 695·7
*Days with 0·2 mm. or more.	21	21	17 ~~18~~	18	18	15	15	13	17	13	7	14	189 ✓
*Days with 1·0 mm. or more.	17	18	~~9~~ 10	13	23	13	13	7	11	11	7	8	141 ✓
(144w)	2·76	3·85	1·16 ~~·92~~	2·70	3·46	1·71 ins	2·63	2·09	2·69	1·66	·75	1·93	27·39

40-9999

(Signed) ....

P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3622

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1091.

REGISTER OF RAINFALL IN 1938.

Kept at Carlisle, Scaleby Hall

in the County of Cumberland.

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. in.

,, Ground ,, Sea Level 111 ft.

400 150.

Copy by B.R.O.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.		
1	–	8.3	–	2.4	–	16.5	–	–	.8	– 16.0	1.5	5.0		1
2	–	1.9	–	8.5	–	.4	–	–	7.8	+	8.2	5.6		2
3	.1	.5	–	.3	–	1.4	9.4	–	4.0	.60 15.3	8.4	–		3
4	.2	.4	–	1.3	–	3.4	4.1	–	–	15.4	.6	21.5		4
5	.5	.3	–	.2	–	1.4	7.3	–	.7	3.1	.3	1.5		5
6	10.1	1.2	–	–	–	1.1	2.1	–	.8	.32 8.2	1.9	.6		6
7	1.7	.4	–	–	–	–	12.0	1.7	–	.34 8.7	7.0	–		7
8	1.2	4.3	–	–	–	.2	6.0	–	–	7.3	34.0	1.4		8
9	6.3	3.5	–	–	1.8	2.1	.2	–	–	6.1	–	5.0		9
10	.5	.1	–	–	–	2.2	5.5	–	.2	2.1	.2	1.2		10
11	3.9	.2	–	–	1.6	1.1	1.1	–	.3	1.9	1.1	3.3		11
12	2.7	–	–	–	3.6	–	.3	–	–	19.0	1.08 27.5	.5		12
13	2.3	.9	–	–	2.0	–	12.2	–	1.1	5.3	4.9	1.9		13
14	5.6	–	–	–	3.7	–	.3	–	–	1.8	–	2.9		14
15	6.4	.6	3.2	–	3.0	–	1.5	20.5	–	13.4	–	1.5		15
16	4.4	–	1.0	–	3.5	–	–	5.0	7.5	3.2	.7	.2		16
17	3.1	–	.3	–	3.2	–	–	8.1	16.7	9.3	–	–		17
18	3.4	–	.7	–	.2	3.7	–	4.3	3.2	10.7	8.5	–		18
19	1.5	–	6.7	–	.4	3.2	–	16.0	1.0	–	2.7	x		19
20	4.2	–	15.8	–	–	1.0	–	7.4	–	–	1.9	1.1		20
21	.3	–	.4	.2	.3	.5	–	–	–	2.3	12.0	–		21
22	.2	–	–	–	1.5	–	–	–	–	–	14.4	–		22
23	1.3	–	.3	–	6.2	14.8	–	1.6	4.2	–	6.8	–		23
24	3.0	–	.2	–	–	.5	–	2.4	2.9	8.4	5.1	–		24
25	1.8	1.5	.3	–	10.7	–	26.6	–	–	7.6	1.5	6.5		25
26	.3	.6	3.9	1.2	11.7	15.6	–	–	–	9.6	8.9	1.4		26
27	.8	2.3	.3	–	3.9	6.6	3.9	2.0	–	1.3	.7	–		27
28	3.2	.5	1.1	–	22.0	15.7	1.0	.4	–	.3	1.8	4.3		28
29	8.3	–	.2	–	1.0	17.0	1.55 39.3	.9	–	2.5	9.8	–		29
30	5.1	×	1.0	–	4.1	.9	7.8	.4	14.2	–	–	x 9.5		30
31	2.1	×	3.8	×	8.6	×	–	–	×	8.0	×	x		31
TOTAL	84.5	27.5	39.2	14.1	93.0	169.3	140.6	70.7	65.4	186.8	171.5	74.9	Year's Total. 1077.5	~~42.42~~
* Days with 0.2 mm. or more.	28	16	16	7	20	21	18	13	15	25	26	20	225	✓
* Days with 1.0 mm. or more.	21	7	8	4	17	16	15	10	10	24	21	17	170	✓

(144 w) * See Instructions 2 (f) on other side. 3.66" ~~1.20~~" 5.454 † Spare column, no entries required.

40-9999 3.33ins 1.08 1.54ins .56ins 4 3.18 4.30 5.54 (Signed) 2.78 2.57 7.35 6.75 2.95 42.44 ✓ M.O.

Section **A** for the entry of Daily Observations.

COPY FOR OFFICIAL USE.

Station No. 3622

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1091.

REGISTER OF RAINFALL IN 1939.

150

400

Copy by B.R.O.

Kept at Carlisle, Scaleby Hall.
in the County of Cumberland.
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft. in.
,, Ground ,, Sea Level 111 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.		
1	5.2	–	4.6	-	–	–	1.7	8.9	.5	1.0	-	2.5		1
2	-	–	7.5	1.4	–	–	12.5	4.8	9.9	-	-	2.4		2
3	-	–	.4	2.5	–	–	1.2	2.4	.8	.2	.2	4.0		3
4	2.8	8.2	4.1	-	–	–	5.7	-	-	–	-	1.2		4
5	-	3.0	4.9	-	2.5	–	8.0	.3	-	2.5	8.8	.2		5
6	+	11.5	4.7	-	3.2	–	8.5	-	-	-	-	–		6
7	16.8	11.7	10.2	-	32.8	–	.4	-	1.7	-	.9	1.9		7
8	32.6	17.6	6.5	8.4	.3	–	2.0	-	1.9	.2	4.3	7.9		8
9	7.3	3.9	–	.4	–	1.3	1.4	14.7	3.7	11.4	.7	8.5		9
10	–	.2	2.4	-	-	2.7	-	1.3	8.0	7.9	-	1.5		10
11	.4	2.7	6.6	-	.2	3.0	-	1.1	.4	1.3	2.0	-		11
12	-	1.3	–	.3	-	–	.2	.9	4.7	5.0	.4	-		12
13	15.7 x	–	.9	.9	3.0	1.0	12.4	-	-	1.2	4.1	-		13
14	x	–	–	1.2	10.0	10.9	5.5	-	-	.4	8.2	-		14
15	x	–	.8	4.2	-	12.8	.3	-	-	-	3.9	-		15
16	19.1 x	3.0	1.8	3.5	-	.2	7.1	-	-	-	2.2	-		16
17	x	–	x1.4	.8	-	1.1	-	-	-	-	2.0	-		17
18	x	3.8	–	-	.4	6.0	.5	-	-	-	13.5	-		18
19	4.5	.5	.3	-	-	–	-	-	-	-	-	-		19
20	1.3	.8	1.6	-	-	2.2	17.3	-	.4	-	1.0	-		20
21	1.5	2.0	–	3.3	.6	–	-	1.4	1.0	-	-	-		21
22	5.5	–	2.5	-	-	–	2.3	-	-	2.0	9.8	.3		22
23	–	10.2	2.0	2.1	-	–	1.2	-	-	-	–	-		23
24	–	3.3	3.4	3.2	-	.5	-	-	-	.	3.6	.4		24
25	7.0	4.6	–	.8	-	–	-	1.2	-	.	12.0	-		25
26	.3	4.2	.3	-	-	–	-	5.3	-	8.4	3.4	-		26
27	–	4.1	2.4	.6	-	12.0	2.5	3.5	-	1.4	3.3	-		27
28	–	3.4	.3	-	-	7.4	19.5	-	.	1.3	9.0	-		28
29	–	–	–	-	-	2.0	12.4	-	.	3.9	1.8	-		29
30	–	✕	–	-	-	15.5	6.2	-	.	1.9	14.6	.		30
31	–	✕	–	✕	-	✕	8.0	-	✕	.2	✕	.		31
TOTAL	120.0	100.0	6.9.6	33.6	53.0	78.6	136.8	45.8	33.0	~~47.2~~ 50.2	109.7	30.8	Year's Total. 861.1	
* Days with 0.2 mm. or more.	18	20	22	15	9	15	23	12	11	17	20	11	193	✓
* Days with 1.0 mm. or more.	16	17	18	9	5	13	19	10	7	13	16	8	151	✓
	4.72	3.94	2.74	1.32	2.09	3.09	5.39	1.80	1.30	1.98	4.32	1.21	33.90	✓

(144w) * See Instructions 2 (f) on other side.

† Spare column, no entries required.

(Signed)

40-9999

[P.T.O.

COPY FOR OFFICIAL USE.

Section [illegible] for the entry of Daily Observations.

Station No. 3622

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1091. Carlisle

REGISTER OF RAINFALL IN 19~~3~~40.

Kept at (Scaleby Hall)
in the County of Cumb. 1.
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft. 0 in.
,, Ground ,, Sea Level 111 ft.

Jan corr'd for move.
May corr'd for arith

Copy by B.R.O.

400

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.		
1	–	–	–	2·0	–	–	1·1	–	–	–	6·0	4·5		1
2	–	–	–	2·5	–	–	3·2	–	·2	–	10·6	5·0		2
3	–	–	–	1·9	–	–	1·2	–	1·2	–	–	1·0		3
4	–	5·6	–	0·9	–	–	6·0	–	–	3·7	4·6	15·9 x		4
5	–	·6	–	–	7·8	–	0·5	–	·2	x	2·1	x		5
6	1·1	·8	–	3·3	–	–	4	–	–	16·0 x	–	7·6		6
7	3·6	1·0	·5	–	1·6	–	26·6	4·3	–	1·0	–	–		7
8	–	–	8·1	–	–	–	1·7	3·6	·1	15·0	5·5	3·5		8
9	–	–	29·4	–	–	–	7·7	8·3	–	4·6	8·5	2·0		9
10	–	–	2·4	–	–	–	21·0	–	–	1·0	4·7	–		10
11	–	–	1·31 33·3	·4	–	–	12·0	3·1	–	–	15·7	–		11
12	–	–	18·0	–	–	–	0·3	2·4	5·4	–	–	–		12
13	–	·3	2·2	·7	–	–	4	·6	2·4	·2	·7	–		13
14	–	·8	1·2	2·9	·3	–	28·4	1·9	2·4	–	–	6·9 x		14
15	1·6	–	·6	–	1·8	·8	–	–	1·1	·6	–	x		15
16	–	–	6·0	–	–	–	6·5	·3	34·6	5·6	·9	·9		16
17	–	–	9·8	–	–	–	30·4	1·2	2·9	·6	3·4	4·3		17
18	–	1·2	4·5	·6	–	–	2·6	7·7	13·4	·5	·6	6·5		18
19	–	2·1	4·1	–	–	–	0·3	·3	9·6		8·6	1·0		19
20	–	–	3·9	4·0	–	–	1·5	16·5	1·2	9·6	3·9	–		20
21	–	–	·6	2·0	–	13·6	1·2	–	10·1		–	–		21
22	–	1·1	2·9	–	5·1	11·0	6·1	·4	1·9		–	–		22
23	–	1·7	·2	4·2	·8	–	0·4	–	–		–	–		23
24	12·1	·8	·2	7·7	–	·2	–	–	–	0·5	–	–		24
25	x	3·5	–	–	17·0	4·2	2·1	–	–	0·5	4·7	–		25
26	3·8 x 13·0	1·5	–	–	9·5	·8	–	5·7	·9		1·0	–		26
27	x	·2	–	·2	·3	·2	0·6	–	–	1·0	–	–		27
28	–	–	·4	–	·9	–	0·6	1·5	–		·8	2·9		28
29	–	–	6·5	1·9	–	–	1·9	–	–	1·6	–	11·8		29
30	–	✕	·3	–	–	–	–	–	–	8·6	–	12·9		30
31	2·0	✕	11·6	✕	–	✕	–	–	✕		✕	–		31
TOTAL	37·2	21·2	146·7	36·2	44·8 ~~47·8~~	30·8	163·9	57·8	87·6	70·6	82·3	86·7	Year's Total. 865·8	
* Days with 0.2 mm. or more.	8	14	22	15	10	7	26	15	15	18	17	17	184	
* Days with 1.0 mm. or more.	8	8	15	10	6	3	20	11	12	12	13	16	134	

(144w) * See Instructions 2 (f) on other side. † Spare column; no entries required.

40-9999

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
	1·46	·83	5·78	1·43	~~1·88~~ 1·76	1·21	6·45	2·28	3·45	2·78	3·24	3·41	34·08

(Signed) G. Hanking

[P.T.O.

3619

Section **A** for the entry of Daily Observ

COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEORO

AINFALL ORGANIZATION.

FORM 1090.

REGISTER OI 1931.

—

3619 —

CARLISLE - SPITAL CEMETERY

1931 - 1940

780703

Kept at Carlisle Cemetery

in the County of Cumberland.

Diameter of Funnel of Gauge 8" in.

Height of top of Gauge above Ground 1 ft.

" Ground " Sea Level 114

THE MORNING MEASUREMENT IS **US DAY.**

An observer who does not conform to this rule should *t of the following year in the space on the right of this paragraph.*

Jan. 1, following

Please read t **af.**

Date	Jan.	Feb.	March	April	May					Oct.	Nov.	Dec.	*Date*
31	in.	in.	in.	in.	in.					in.	in.	in.	
1	–	–	·03	–	–					·02	·01	–	1
2	–	·08	–	·24	–					·15	·17	·22	2
3	–	–	–	–	–					·10	1·20	·27	3
4	–	·06	–	·05	–	–	–	–	·07	·02	·07	·09	4
5	–	·01	–	–	·07	·44	·04	·15	–	·03	–	·77	5
6	–	·33	–	–	–	·60	·48	–	–	·30	·24	–	6
7	–	·04	–	–	–	·24	–	·11	–	·12	·08	·14	7
8	·08	·07	–	–	·04	·09	·92	·04	·16	·11	·05	·02	8
9	·06	·16	–	·03	·04	·09	–	·40	·02	·50	·02	·02	9
10	·02	·19	·07	–	·28	·22	–	·03	–	–	·09	–	10
11	·39	·51	–	·11	·01	–	·36	–	·10	·14	·30	·03	11
12	·01	–	·01	·02	–	–	·03	–	–	·07	·03	–	12
13	–	–	·44	–	·01	·09	·02	·05	–	–	·01	·01	13
14	·02	·04	·18	–	–	1·27	·08	·09	–	–	·46	·03	14
15	·03	·46	–	·15	–	·05	·11	·08	·02	–	–	–	15
16	·21	·05	–	·29	–	·03	·16	·71	·08	–	–	–	16
17	–	·04	–	·05	·02	·16	·39	·32	–	–	·31	–	17
18	·13	–	–	–	–	·22	·05	·04	·01	–	·35	–	18
19	·06	·09	–	–	–	·05	·05	·53	·05	–	·01	–	19
20	–	·22	–	–	–	–	–	–	–	–	·07	·02	20
21	·23	·01	·14	–	–	·02	–	·25	–	–	·03	–	21
22	·12	·11	–	·25	·27	·10	·15	–	–	–	·01	·04	22
23	·31	–	–	·05	·39	·44	–	–	–	·09	·16	·22	23
24	·10	·04	–	·10	·29	–	·01	–	–	–	·20	·04	24
25	·18	·06	–	·26	–	–	–	–	–	–	·02	·02	25
26	–	–	–	–	–	–	–	–	–	·01	·37	–	26
27	·13	·08	–	·14	–	·13	·41	–	–	·21	·03	·02	27
28	·42	–	–	·11	·31	–	·18	–	–	–	·01	·03	28
29	·09	×	·02	–	·03	–	·23	–	·02	·40	·04	–	29
30	·02	×	–	·03	·29	–	·04	–	·05	–	–	–	30
31	·10	×	–	×	–	×	·18	–	×	·13	×	·08	31
TOTAL 99	2·71	2·65	0·89	1·88	2·05	5·33	4·32	2·80	1·27	2·40	4·34	2·07	YEAR'S TOTAL 32·71
*Days with ·01 in. or more.	20	20	7	15	13	19	22	13	12	16	26	18	201
*Days with ·04 in. or more.	15	18	4	12	9	17	19	12	8	12	16	9	151

40-9999

*See Instruction 2 (*f*) on other side.

(*Signed*) J. Collett

P.T.O.

3619

Section **A** for the entry of Daily Observ

COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1931.

Kept at Carlisle Cemetery

in the County of Cumberland.

Diameter of Funnel of Gauge 8" in.

Height of top of Gauge above Ground 1 ft. — in.

,, Ground ,, Sea Level 114 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
31	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	—	—	·03	—	—	—	·12	—	·39	·02	·01	—	1
2	—	·08	—	·24	—	·95	·07	—	—	·15	·17	·22	2
3	—	—	—	—	—	·14	·24	—	·30	·10	1·20	·27	3
4	—	·06	—	·05	—	—	—	—	·07	·02	·07	·09	4
5	—	·01	—	—	·07	·44	·04	·15	—	·03	—	·77	5
6	—	·33	—	—	—	·60	·48	—	—	·30	·24	—	6
7	—	·04	—	—	—	·24	—	·11	—	·12	·08	·14	7
8	·08	·07	—	—	·04	·09	·92	·04	·16	·11	·05	·02	8
9	·06	·16	—	·03	·04	·09	—	·40	·02	·50	·02	·02	9
10	·02	·19	·07	—	·28	·22	—	·03	—	—	·09	—	10
11	·39	·51	—	·11	·01	—	·36	—	·10	·14	·30	·03	11
12	·01	—	·01	·02	—	—	·03	—	—	·07	·03	—	12
13	—	—	·44	—	·01	·09	·02	·05	—	—	·01	·01	13
14	·02	·04	·18	—	—	1·27	·08	·09	—	—	·46	·03	14
15	·03	·46	—	·15	—	·05	·11	·08	·02	—	—	—	15
16	·21	·05	—	·29	—	·03	·16	·71	·08	—	—	—	16
17	—	·04	—	·05	·02	·16	·39	·32	—	—	·31	—	17
18	·13	—	—	—	—	·22	·05	·04	·01	—	·35	—	18
19	·06	·09	—	—	—	·05	·05	·53	·05	—	·01	—	19
20	—	·22	—	—	—	—	—	—	—	—	·07	·02	20
21	·23	·01	·14	—	—	·02	—	·25	—	—	·03	—	21
22	·12	·11	—	·25	·27	·10	·15	—	—	—	·01	·04	22
23	·31	—	—	·05	·39	·44	—	—	—	·09	·16	·22	23
24	·10	·04	—	·10	·29	—	·01	—	—	—	·20	·04	24
25	·18	·06	—	·26	—	—	—	—	—	—	·02	·02	25
26	—	—	—	—	—	—	—	—	—	·01	·37	—	26
27	·13	·08	—	·14	—	·13	·41	—	—	·21	·03	·02	27
28	·42	—	—	·11	·31	—	·18	—	—	—	·01	·03	28
29	·09	×	·02	—	·03	—	·23	—	·02	·40	·04	—	29
30	·02	×	—	·03	·29	—	·04	—	·05	—	—	—	30
31	·10	×	—	×	—	×	·18	—	×	·13	×	·08	31
TOTAL 99	2·71	2·65	0·89	1·88	2·05	5·33	4·32	2·80	1·27	2·40	4·34	2·07	YEAR'S TOTAL 32·71
*Days with ·01 in. or more.	20	20	7	15	13	19	22	13	12	16	26	18	201
*Days with ·04 in. or more.	15	18	4	12	9	17	19	12	8	12	16	9	151

40-9999

(Signed) J. Collett

P.T.O.

*See Instruction 2 (*f*) on other side.

COPY FOR OFFICIAL USE.

Section A **for the entry of Daily Observations.** **Station No.** 3619

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

Kept at Carlisle Cemetery

in the County of Cumberland.

Diameter of Funnel of Gauge 8 in.

Height of top of Gauge above Ground 1 ft — in.

,, Ground ,, Sea Level 114 ft.

Avg 1/2" low.

~~There are a few days on which the falls appear rather low but I think we should have great difficulty in making a case for amendment. I am just accept as he is very probably right.~~

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
32	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·18	-	-	·17	-	-	·01	·01	·30	·28	·14	·15	1
2	·29	·01	-	-	·02	-	·34	-	·50	-	·22	·42	2
3	·15	·02	-	-	-	-	·22	-	·26	·03	·03	·18	3
4	·09	·01	·02	-	-	-	·27	·04	·03	·01	-	·06	4
5	·17	-	·37	·07	·02	-	-	·03	·24	-	-	-	5
6	·22	-	·27	·11	·01	-	-	-	·23	·05	-	-	6
7	·02	-	·40	·12	·04	·02	-	-	·07	·43	-	-	7
8	-	-	-	·05	·09	-	-	-	·55	·80	-	-	8
9	·32	-	-	·65	-	-	-	-	·05	·27	-	·01	9
10	·14	-	·01	·06	·02	-	-	-	·65	·09	-	·01	10
11	·04	·01	-	-	·37	-	·49	·07	-	-	-	-	11
12	·17	-	-	-	·64	-	·70	·14	-	·30	-	-	12
13	·04	-	-	·06	·22	-	·56	·03	·84	·04	-	·09	13
14	·27	-	-	·03	-	-	-	-	-	-	·01	·05	14
15	·18	-	-	·01	·48	-	-	-	-	·04	·03	·08	15
16	·40	-	-	-	-	-	-	-	-	·15	-	·70	16
17	-	-	-	-	-	-	·05	·06	-	·47	-	·13	17
18	-	-	-	-	·06	-	-	·01	-	-	-	·02	18
19	-	-	·05	·20	·03	-	·03	-	·11	·12	-	·03	19
20	·05	-	·06	·12	·01	-	-	·41	-	·14	·07	·02	20
21	·12	-	·74	·05	-	-	·03	·08	-	·87	·12	·07	21
22	·01	-	·29	·11	-	-	·30	-	-	·10	·50	·02	22
23	-	-	-	·13	-	-	·08	-	·01	·12	·21	-	23
24	·04	-	·02	-	-	-	·70	-	·65	·05	·02	-	24
25	-	·01	-	-	·13	·04	·08	-	·12	·19	·09	-	25
26	-	·01	-	-	·02	-	·80	-	·32	·09	·13	-	26
27	-	-	·19	·02	-	·51	·73	·03	-	·13	-	·07	27
28	-	-	-	·05	·38	·05	·04	-	-	-	-	-	28
29	·02	-	·80	·02	·06	·12	·45	·13	-	·23	·18	·05	29
30	-	✕	·32	·08	-	·15	·09	·28	·42	-	·12	-	30
31	-	✕	·01	✕	-	✕	-	-	✕	·01	✕	·09	31
99 TOTAL	2·92	·07	3·55	2·11	2·60	·89	5·94	1·32	5·35	5·01	1·87	2·25	YEAR'S TOTAL 33·88
*Days with ·01 in. or more.	20	6	14	19	17	6	19	13	17	24	14	19	188
*Days with .04 in. or more.	17	-	10	15	10	5	16	8	15	21	10	13	140

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*See Instruction 2 (*f*) on other side,

(*Signed*)

P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3619

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Kept at Carlisle Cemetery

in the County of Cumberland

Diameter of Funnel of Gauge 8" in.

Height of top of Gauge above Ground 1 ft — in.

,, Ground ,, Sea Level 114 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
33	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·12	·05	·03	—	—	—	—	·01	—	—	·21	—		1
2	·67	·06	·05	·02	—	·57	—	·01	—	—	—	—		2
3	·05	·14	·17	—	·18	—	—	—	·02	·02	·01	—		3
4	·43	·23	·20	—	·16	—	—	—	—	—	—	—		4
5	·11	·22	·14	—	·07	—	—	—	—	—	·02	—		5
6	·01	·15	·04	—	·54	—	—	—	—	—	—	·02		6
7	·03	·26	·01	—	·06	—	·53	—	—	·57	·01	—		7
8	·08	·02	·10	·34	·07	·01	·04	—	—	·44	·01	—		8
9	—	·36	·02	—	·12	·01	·16	—	—	·41	·06	·03		9
10	·21	—	·01	—	·01	·26	—	—	—	·02	·01	·03		10
11	—	—	—	·03	·01	—	·12	—	—	·11	—	·08		11
12	·06	—	—	—	—	·01	·01	—	—	—	·01	—		12
13	—	—	·09	—	·06	—	·26	·12	—	·16	·11	—		13
14	·59	—	·03	—	—	—	·20	·02	—	·01	·10	—		14
15	·04	—	·07	—	—	·24	—	·03	—	·22	·05	—		15
16	—	—	·21	·10	·20	·04	·02	·03	—	—	·01	·02		16
17	·07	—	·12	—	·01	·62	—	·17	·08	—	·04	—		17
18	·01	—	·10	—	—	·32	—	·10	—	—	·01	·06		18
19	—	—	·05	—	·01	·13	—	·24	·13	—	·24	—		19
20	—	·11	—	—	·24	·04	—	·09	·11	·02	—	·01		20
21	—	—	—	—	—	—	—	·31	·07	·03	—	—		21
22	—	—	—	—	·37	·01	—	·04	—	·18	—	—		22
23	—	—	—	—	·01	—	—	·04	—	—	—	—		23
24	—	·02	—	·16	·24	·17	·11	—	·11	—	·03	·30		24
25	—	·20	—	·11	—	—	·02	—	·09	—	—	·09		25
26	—	·28	—	·06	—	—	—	—	·32	·18	—	·01		26
27	—	·10	—	·07	—	—	·69	—	—	—	—	—		27
28	—	·03	—	—	—	—	·20	·07	—	·15	—	—		28
29	—	×	·01	—	—	—	·34	·02	—	·11	—	·01		29
30	·10	×	—	—	—	—	·48	—	—	·04	—	·17		30
31	·48	×	·09	×	—	×	·02	·23	×	·08	×	·12		31
TOTAL 99	3·06	2·23	1·54	·89	2·36	2·43	3·20	1·53	·93	2·75	·93	·95	Year's Total 22·80	
*Days with ·01 in. or more.	16	15	19	8	17	13	15	16	8	17	16	13	173	
*Days with .04 in. or more.	13	12	13	6	12	9	11	10	7	12	7	6	118	

† Spare column, no entries required.

(*Signed*) L. Collett

P.T.O.

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*See Instruction 2 (*f*) on other side.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3619

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

Kept at Carlisle Cemetery

in the County of Cumberland

Diameter of Funnel of Gauge 8" in.

Height of top of Gauge above Ground 1 ft. – in.

,, Ground ,, Sea Level 114 ft.

T.L.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
34	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·25	–	·02	–	·02	–	–	·04	·40	–	–	·13		1
2	–	–	·16	–	–	–	–	·67	·08	–	·28	·44		2
3	·22	·01	–	–	–	–	–	·11	–	·05	·18	·15		3
4	·39	–	·01	·04	–	–	–	–	·06	·04	·02	·69		4
5	–	–	·18	–	·37	–	–	–	·02	·02	–	·02		5
6	·09	–	·09	–	·25	·05	–	·36	·14	·17	–	·14		6
7	·37	·06	·07	·01	–	·04	–	–	·05	·13	–	·14		7
8	–	–	·01	–	·09	·02	–	·08	·07	·32	–	·13		8
9	·06	–	·01	·26	–	–	–	·22	·23	·10	·03	·11		9
10	·02	–	·04	·19	–	–	–	·65	·13	·01	·03	·02		10
11	·15	–	–	·39	–	–	–	·03	·01	·01	·07	·03		11
12	·01	–	·02	·45	–	–	·32	·16	–	·04	–	·05		12
13	·12	–	–	–	·04	–	1·60	·06	–	·10	·02	·01		13
14	·33	–	·14	·01	–	·07	–	–	–	·14	·01	·04		14
15	–	–	·05	–	·53	·03	·04	·04	·26	·12	–	·01		15
16	·41	–	·17	–	–	–	–	–	–	–	·02	·01		16
17	·12	–	·41	·09	·05	–	·18	–	–	·01	–	·28		17
18	·91	–	·06	·04	–	·35	–	·17	–	–	·01	·25		18
19	–	–	·04	·12	·27	·17	·02	·02	·10	·24	·03	·08		19
20	–	–	–	·10	·29	·06	–	·25	·07	·04	–	–		20
21	–	–	·03	·02	·07	·66	–	·16	·09	·03	·01	–		21
22	–	–	·06	–	–	·43	·11	·42	·35	·08	·01	–		22
23	–	–	·08	·26	–	–	·39	–	–	·32	·07	–		23
24	–	·05	·02	·08	·16	·06	·03	·02	·15	·85	–	–		24
25	–	–	·03	·07	–	–	·09	–	·07	·24	–	·19		25
26	·20	–	·03	·02	–	·44	·14	–	·13	·27	–	·08		26
27	–	–	–	–	–	·20	·03	–	·02	·31	–	·08		27
28	–	–	–	·10	–	·27	·13	·63	·01	·16	–	·45		28
29	–	X	–	–	–	–	·30	·62	·08	·25	–	·10		29
30	·19	X	–	–	–	–	–	·05	·64	·16	–	·08		30
31	–	X	–	X	–	X	–	·04	X	–	X	·15		31
9 TOTAL	3·84	·12	1·73	2·25	2·14	2·85	3·38	4·80	3·16	4·21	·79	3·86	Year's Total 33·13	
*Days with ·01 in. or more.	16	3	22	17	11	14	13	21	22	26	14	26	205	
*Days with ·04 in. or more.	14	2	13	13	10	12	10	18	18	21	4	20	155	

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*See Instruction 2 (*f*) on other side.

† Spare column, no entries required

(*Signed*) L. Collett

P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. **Station No.** 3619

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

f 42797/30

TL

Kept at Carlisle Cemetery

in the County of Cumberland

Diameter of Funnel of Gauge 8" in.

Height of top of Gauge above Ground 1 ft — in.

,, Ground ,, Sea Level 114 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
35	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·68	·08	·03.	–	–	–	·25	·13	·061	–	·01	·32		1
2	–	·08	–	–	–	·06	·04	–	·057	·10	·12	·01.		2
3	–	·51	·09	–	–	·24	·20.	–	–	–	·18	·01.		3
4	–	–	·06	–	–	·29	·20	–	–	·16	–	·07		4
5	·02	·59	·10	–	–	·06	·07	–	–	·09	·08	·01.		5
6	–	–	·01.	–	–	·13.	–	–	–	·11	·03	·03.		6
7	–	–	–	·12.	–	·46	–	–	–	·37	·05	·15		7
8	–	·02.	–	·17	–	·25	–	·02.	–	·48	–	·38		8
9	·01	·05	–	·33	–	·02	·01	–	–	·69	·05	–		9
10	·04	·30	–	·08	–	·14	–	–	–	·20	·15	–		10
11	·21.	·03	–	·07	–	·07	–	·17	–	·16	·09	–		11
12	–	·13.	–	–	–	·09	–	–	·03.	·06	·01	–		12
13	·14.	·07	–	–	·20	·04	·04	·01.	·04.	·01	·08	–		13
14	–	·05	–	·02	·04	·03	–	–	·02	·01	·05	·15		14
15	–	·30	–	·32.	·02	–	–	·01.	·30	·44	·06	·18		15
16	–	·65	·10	1·06	·27.	·30	·16.	·33.	·25	–	·08	–		16
17	–	–	–	·54	–	·09	–	·02.	·12.	·38	·27	–		17
18	·02	·06.	–	–	–	·13.	·09	·25.	·21.	·35	–	–		18
19	–	·12.	–	·06	–	·11	·33.	–	·13.	·13	·09	–		19
20	–	·28.	–	·12.	–	·03.	·40	–	–	–	·17	–		20
21	–	·03.	·16	–	–	–	–	–	·22	·22	·02	–		21
22	–	·09	·08	·10	–	–	–	–	–	·01	–	–		22
23	·08	·04	·07	·15	–	·29	–	·20	–	·44	–	–		23
24	·32.	·38	·18	·01	–	–	–	–	·25.	·08	·01	·10		24
25	·17	–	–	–	–	–	–	·02.	–	–	·19	·07		25
26	–	–	–	–	–	·24	–	·83	·22	·22	·05	·17		26
27	–	·11	–	–	–	·06	·13.	·03.	·07	·44	·23.	·01.		27
28	·07	·15.	–	–	–	–	–	·013	·015	·37	·06	·04		28
29	–	✕	·26	–	–	·11	–	·011	·026	·27	·38	·05		29
30	·01	✕	–	–	–	·39.	–	·017	·18.	·47	·55	·03.		30
31	·12.	✕	–	✕	–	✕	–	–	✕	·08	✕	·25.		31
TOTAL 99	1·89.	4·12.	1·14.	3·15.	·53	3·63.	1·92	2·43	3·63.	6·17	3·06.	2·03	Year's Total 33·70	
~~* Days with~~ ·01 in. or more.	13	22	11	14	4	23	12	15	17	26	25	18	200	
* Days with ·04 in.* or more.	9	19	9	12	3	20	11	9	15	23	20	12	162	

40-9999

† Spare column, no entries required.

* See Instruction 2 (f) on other side The Superintendent (Signed) J. W. Porthouse [P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations
Station No. 3619

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1936

Kept at Carlisle Cemetery
in the County of Cumberland
Diameter of Funnel of Gauge..................in.
Height of top of Gauge above Ground.........ft..........in.
,, Ground ,, Sea Level ....ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
36	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	.08	.45	.01			.19	.35	.37	.20		.06	.02		1
2	.01					.01	.13	.02	.20		.13	.08		2
3	.02							.04	.30		.01	.10		3
4	.19		.05				.04	.15	.55		.21	.50		4
5	.07	.03	.12			.03		.19	.03		.09	.18		5
6	.05		.06			.02	.87	.09	.50		.02			6
7	-		.05						.25		.47	.17		7
8	.08		.28								.09			8
9	.66		.10				.02		.37	.01	.30			9
10	.13			.01			.21			.02	.22			10
11				.05		.04	.03	.18	.02		.18	.25		11
12				.06			.05		.86		.06	.13		12
13							.25		.01	.18	.10	.87		13
14				.01		.15	.05	.07	.18		.12	.59		14
15			.01		.02	.22	.03	.14		.02	.20	.11		15
16			.04			.15	.16			.24	.84	.01		16
17		.10		.05	.03			.06		.29	.11	.42		17
18		.30		.11			.13	.28		.34				18
19	.14	.25					.14	.03		.06		.07		19
20		.26	.16							.01		.02		20
21	.02	.08						.03		.03		.09		21
22	.04	.41	.02				.10							22
23	.02	.21	.04	.18			.33	.01		.09				23
24	.34			.10	.11		.18		1.14	.65	.02			24
25				.05			.29		.29	.26		.02		25
26		.08	.23	.03			.04		.04	.30				26
27	.14		.03							.21				27
28	.01	.09		.04	.01		.02				.03			28
29	.01	.04	.20		.29	.97				.43	.03	.01		29
30	.01	✕	.08			.09	.37			.10	.05	.02		30
31	.14	✕	.12	✕		✕			✕		✕	.29		31
TOTAL 99	2.16	2.30	1.60	.69	.46	1.87	3.79	1.66	~~3.94~~ 494	3.24	3.34	3.93	Year's Total ~~28.98~~	2998
* Days with .01 in. or more.	19	12	17	11	5	10	21	14	15	17	21	20	182	✓
* Days with .04 in. or more.	12	11	13	8	2	7	17	10	12	12	16	14	134	

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*) J. H. Porthouse (Supt) [P.T.O.

COPY FOR OFFICIAL USE

Section A for the entry of Daily Observations Station No. 3619.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1937

Kept at Carlisle Cemetery

in the County of Cumberland

Diameter of Funnel of Gauge 8" in.

Height of top of Gauge above Ground 1 ft. — in.

,, Ground ,, Sea Level 114 ft.

T. L

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following: ✓

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
37	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·07	-	·02	–	-	·12	·02	–	·37	·21	·01	·02		1
2	·07	·32	·10	·13	-	·17	·02	–	·02	·01	-	–		2
3	·03	·35	·03	·06	·06	·22	·53	–	–	–	–	·01		3
4	·35	-	·01	·44	·08	·01	·05	–	·43	–	–	·21		4
5	·30	-	-	·20	·01	·03	·18	·01	·43	–	–	·24		5
6	·05	-	-	·05	·06	·08	·03	·05	·04	–	–			6
7	-	·12	-	·18	·02	·01	·03	–	·09	–	·03	·06		7
8	-	·29	-	·07	-	–	·31	·01	-	–	–	–		8
9	-	·04	-	-	·03	·03	·06	·09	–	–	–	–		9
10	-	·07	-	-	·15	·05	·01	–	–	–	–	–		10
11	·01	-	·10	-	·01	–	–	–	–	–	–	–		11
12	·41	·20	·06	·02	·06	·27	·09	·25	14	–	–	–		12
13	·	·20	·01	·01	-	·45	·01	·25	-	–	–	–		13
14	-	·05	-	–	·	–	·20	·50	20	·01	–	·09		14
15	·07	·60	·02	·08	-	–	·03	–	18	–	–	–		15
16	·04	·17	·31	·60	-	–	–	·15	06	–	–	–		16
17	·29	·05	·15	·13	-	-	–	·02	·28	–	–	-		17
18	–	·20	·05	–	–	·07	–	·23	·20	–	·15	–		18
19	·07	·20	·01	·14	·05	·01	–	–	–	–	·07	–		19
20	·26	·03	·02	·03	·75	·03	08	–	–	·07	·03	·03		20
21	·15	·07	·09	·18	·11	–	·74	–	–	·03	·03	·05		21
22	·09	-	·01	·02	·63	–	·40	–	–	–	·02	·18		22
23	·04	-	·05	·01	·17	–	·15	–	·05	·75	–	·05		23
24	·21	-	·	–	–	–	·15	–	·14	·31	–	·01		24
25	·05	·16		–	·01	–	–	·07	–	·05	–	·01		25
26	·	·26	–	–	·28	–	–	–	–	·06	–	·01		26
27	·	·22	–	·16	–	–	·01	–	·07	·34	–	·04		27
28	·	–	–	·01	–	·10	–	–	–	·02	–	–		28
29	·	✕	·	-	–	·50	–	–	–	·08	·06	–		29
30	·07	✕	–	-	–	·45	–	·03	·13	·04	·25	·02		30
31	·05	✕	–	✕	·02	✕	–	·30	✕	·03	✕	–		31
TOTAL 99	2·68	3·60	1·04	2·52	2·50"	2·60	3·10	1·91	2·83	2·01	·65	1·03	Year's Total 26·47	✓
* Days with .01 in. or more.	20	19	16	19	17	17	20	13	16	14	9	15	195	✓
* Days with .04 in. or more.	18	18	8	13	11	11	12	8	15	9	4	8	135	✓

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) J. H. Porthouse (Supt) [P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3619

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

T. L.

Kept at Carlisle Cemetery

in the County of Cumberland

Diameter of Funnel of Gauge 8 in.

Height of top of Gauge above Ground 1 ft. — in.

,, Ground ,, Sea Level 114 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
38	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1		·13	·02	·14		·95			·04			·19		1
2		·05		·21		·01			·24	·67	·04	·16		2
3		·01				·01	·32			·75	·02			3
4		·01		·04		·10	·05			·43	·03	·80		4
5	·01	·06				·6	·08		·01	·23	·01	·03		5
6				·01		·01	·08	·02	·03	·37	·01	·01		6
7	·06						·41	·06		·24	·23	—		7
8	·05	·06					·13	·21		·45	1·06	·06		8
9	·15	·25			·03	·07			—	·08		·36		9
10		·02				·06	·21			·10	·01	·05		10
11	·10	·03			·04	·01	·16			·07	·05	·11		11
12	·10				·05		·01	·02		·70	1·14	·02		12
13	·08				·03		·38		·02		·08	·04		13
14	·25				·08						·02	·06		14
15	·19		·09		·08			·58		·35	-	·08		15
16	·13		·02		·36			·10	·12	·18	·01	·01		16
17			·02					·47	·48	·35				17
18	·02		·02			·09		·11	·55	·37	·42			18
19	·02		·21			·01		·91	·07		·10			19
20	·18		·70					·75	·02		·02			20
21			·01	·02	·01			·07		·03	·53			21
22					·09						·82			22
23	·01				·14	·30		·02	·08					23
24	·11		·04			·07		·04	·23		·13			24
25	·09	·01	·05		·26		1·20			·50	·13	·10		25
26	·10	·20	·15		·23	·33				·33	·01	·10		26
27	·15	·06			·15	·34	·41	·08		·03	·30			27
28	·21	·05	·03		1·05	·59				·01	·10	·05		28
29	·06	✕			·11	·11	·62	·02		·12	·09	·15		29
30	·05	✕	·01			·06	·25		·28	·01	·55	·05		30
31	·16	✕	·07	✕	·22	✕		·04	✕	·30	✕	·26		31
99 TOTAL	2·28	·94	1·44	·42	2·93	3·18	4·31	2·90	2·17	6·67	5·91	2·69	Year's Total ~~35·64~~	✓ 3584
* Days with .01 in. or more.	22	13	14	5	16	18	14	16	13	23	25	20	199	✓
* Days with .04 in. or more.	18	8	7	3	13	13	13	12	9	19	16	16	147	✓

† Spare column, no entries required.

(*Signed*) J. G. Porthouse

* See Instruction 3 (f) on other side.

[P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3319

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939.

Kept at Carlisle Cemetery

in the County of Cumberland.

Diameter of Funnel of Gauge 8" in.

Height of top of Gauge above Ground 1 ft. — in.

,, Ground ,, Sea Level 114 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
39	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·35		·28	-	·		·12	·35	·02		·	·12		1
2			·12	·02	·		·23	·35	·34		·	·04		2
3			·03	·07	·		·02	·03	·03	-	·02	·30		3
4		·13	·17	·	·		·15	·	-	·01	·01	·10		4
5		·10	·11	·	·15		·33	·01	-	·09	·32	·01		5
6	·21	·27	·08	·	·01		·32	·	-		·01	·		6
7	·48	·12	·23	·	·03		·	·01	·05		·02	·10		7
8	1·25	·35	·10	·16	·02		·06	·	·03		·13	·29		8
9	·28	·10	·	·10	·	·04	·02	·56	·05	·30	-	·15		9
10	·04	·	·03	·	·	·13	·	·27	·37	·23	·12	·03		10
11	-	·16	·26	-	·01	·16	·	·02	-	·18	·05	-		11
12		·04	·02	·03	·	·	·		·11	·33	-	·		12
13	·14	·	·	·02	·15	·01	·54		·02	·11	·11			13
14	·30	·	·	·06	·29	·33	·13			·	·44			14
15	·17	·01	·07	·17	·	·43	·32			·03	·09			15
16	·17	·02	·01	·02	·	·	·30				·10			16
17	·20	·03	·04	·02	·	·01	·13				·02			17
18	·08	·11	·10	·	·01	·04	·05				·46			18
19	·23	·	·	·	·02	·05	·				-			19
20	·04	·	·01	·	·03	·06	·96				·01			20
21	·07	·09	·08	·15	·01	·	·	·02		·01	-			21
22	·09	·09	·04	·02		·	·03	·15	·02	·08	·30			22
23		·23	·02	·17		·04	-			·	·01	·01		23
24		·11	·06	·17		·01	-	·		·	·10	~~0~~		24
25	·18	·10	·	·03			-	·04		-	·54	·02		25
26	·02	·03	·	·02		·	-	·31		·17	·13			26
27		·16	·03	·		·26	·13	·79		·03	·09			27
28	·01	·10	·01	·		·24	·61	·01		·01	·30			28
29		✕		·		·11	·43			·05	·11			29
30		✕		·		·54	·04			·02	·41			30
31		✕		✕		✕	·25		✕	·01	✕			31
99 TOTAL	4·31	2·35	1·90	1·23	·73	2·46	5·17	2·92	1·04	1·66	3·90	1·17	Year's Total 28·84	
* Days with .01 in. or more.	19	20	22	16	11	16	21	14	10	16	24	11	200	
* Days with .04 in. or more.	17	16	14	8	3	13	18	8	5	9	17	7	135	

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) J. H. Porthouse

[P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3619

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 19~~3~~40

Kept at Carlisle Cemetery

in the County of Cumberland

Diameter of Funnel of Gauge 8 in.

Height of top of Gauge above Ground 1 ft. — in.

,, Ground ,, Sea Level 114 ft.

Jan. estd. from nearby stns.

Jan ~~Snow~~.

leap year

T.L.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
40	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1				·02			1·80				·10	·18		1
2				·12			·		·18		·32	·18		2
3				·09			·14		·		·01	·02		3
4		·11		·01			·06		·03	·01	·01	·13		4
5				·	·21			·02	·	·07	·12	·42		5
6	·05	·06			·		·06	·	·	·33	·15	·07		6
7	·10	·01		·15	·02		·47	·20	·06	·14	·	·01		7
8	·02			·01			·28	·12	·08		·03	·12		8
9			·35	·25			·05	·27	·06	·35	·23	·17		9
10			·74	·			·25	·21	·	·05	·15	·07		10
11			·05	·01			·75	·	·02		·70	·		11
12			·87	·			·01	·05	·30		·01	·		12
13		·01	·70	·			·11	·01	·05		·04	·01		13
14			·08	·34		·03	·54	·06	·02		·	·03		14
15	·08		·07	·02	·02		·	·		·03	·10	·02		15
16			·	·			·23	·	1·25	·29	·30	·04		16
17			·17	·			·98	·05	·06	·02	·05	·06		17
18		·02	·30	·03			·04	·36	·55		·01	·33		18
19		·08	·20	·04			·01	·08	·38	·04	·14	·01		19
20			·03	·15			·05	·40	·08	·17	·07			20
21			·17	·06		·55	·02	·	·03	·16	·			21
22			·05	·	·05	·73	·	·02	·43	·	·			22
23		·10	·04	·12	·04	·02	·34	·	·03	·03	·22			23
24	·30	·02		·18	·06		·10	·	·	·01				24
25	·75				·68				·					25
26	·05	·12	·02		·24		·	·50	·03		·05			26
27	·05	·02			·						·03			27
28					·65			·09			·	·10		28
29			·29	·04	·		·05	·		·03	·02	·50		29
30		✕			·02			·02		·20		·48		30
31	·10	✕	·25	✕	·01	✕			✕	·11	✕		~~31·48~~	31
99 TOTAL	1·50	·54	4·38	1·64	2·00	1·33	6·34	2·46	3·64	2·04	286 2·86	2·95	~~31·68~~ Year's Total ~~30·25~~	31·68
* Days with .01 in. or more.	9	10	17	17	11	4	21	16	18	17	22	20	~~176~~	182
* Days with .04 in. or more.	8	5	15	11	7	2	18	12	12	11	15	14	~~124~~	130

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) J. H. Porthouse

[P.T.O.

Longtown / Arthur

3622/3

FORM 1090.

B Monthly
Summar

3622/3

LONGTOWN

ARTHARET RECTORY

1940

780703

*** The following register of monthly tot
&c., is NOT required if daily or wee
values are given on the other side.

…nd also the space for

…gister should be sent :—

……………………………

……………………………

RAINFALL IN 19~~34~~40

At Arthuret Rectory Long…

In the County of Cumberlan…

…in Summer……………

Direction from
……………gauge…………

Direction from
……………gauge…………

Rain Gauge
- Diameter of Funnel 5 ~~15~~ in.
- *Height of Top above Ground* 1 *ft.* …… *in.*
- *Height of Ground above Sea Level* ~~2~~50 *ft.*

WH

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	1.91	0.54	15	17	13
FEB.	0.94	0.33	27	~~3~~ 10	7
MAR.	5.30	1.69	12	~~4~~ 20	16
APRIL	2.25	0.54	1	~~3~~ 17	14
MAY	1.38	0.65	25	~~3~~ 10	7
JUNE	1.02	0.57	22	6	5
JULY	6.74	1.23	14	~~5~~ 25	20
AUG.	2.24	0.61	20	~~3~~ 15	12
SEPT.	4.33	1.46	17	~~6~~ 16	10
OCT.	2.35	0.47	6	~~6~~ 15	9
NOV.	3.37	0.61	12	~~5~~ 19	14
DEC.	3.48	0.68	6	~~3~~ 19	16
TOTAL	35.11			~~46~~ 189	143

Print WH

Signature Jm. C. Graham

X THE REV. T. C. GRAHAM X

~~THE RECTOR~~

* See Instruction 3 *(f)* below.

Nearest Parish Church at……………………………… Dis……………………………

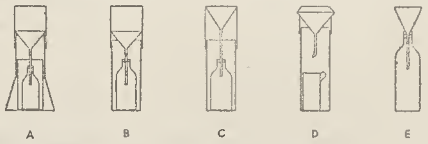
Nature of objects nearest to gauge				
Height of objects				
Distances …				
Directions from gauge …				

If gauge has been moved during the year state—

Date of move……………………… Distance……………… Direction…………

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

……………………………………………………………

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

22 MAR 1941

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005: this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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Wt. 3079/2165 25,500 12/37 W. H. & S. 668/91 S.O. Code No. 40-9999

Longtown (Arthuret

3622/3

FORM 1090. **B** Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 19~~3~~40

At Arthuret Rectory Longtown

In the County of Cumberland

WH

Rain Gauge
- Diameter of Funnel 5 ~~4.5 in~~ in.
- *Height of Top above Ground* 1 *ft.* *in.*
- *Height of Ground above Sea Level* ~~2~~50 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
JAN.	1.91	0.54	1st	17 7	13
FEB.	0.94	0.33	27th	10 3	7
MAR.	5.30	1.69	12th	20 4	16
APRIL	2.25	0.54	1st	17 3	14
MAY	1.38	0.65	~~25th~~	10 3	7
JUNE	1.02	0.57.	22nd	6 4	5
JULY	6.74	1.23	14th	25 5	20
AUG.	2.24	0.61	20th	15 3	12
SEPT.	4.33	1.46	17th	16 6	10
OCT.	2.35	0.47	6th	15 6	9
NOV.	3.37	0.61	12th	19 5	14
DEC.	3.48	0.68	6th	19 3	16
TOTAL	35.11			~~46~~ 189	143

Print WH

Signature T.C. Graham.

X THE REV. T.C. GRAHAM X

~~THE RECTOR~~

22 MAR 1941

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Hour of observation by the clock—in Winter..................in Summer..................

Nearest Railway Station.................. Distance.................. Direction from gauge..................

Nearest Parish Church at.................. Distance.................. Direction from gauge..................

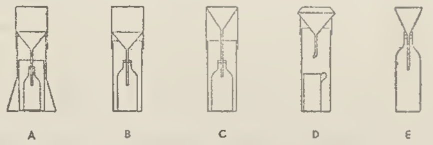
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state –

Date of move.................. Distance.................. Direction..................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) The rain-gauge should be visited every morning without exception. When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction. An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) The total rainfall for the month is found by addition. The addition should always be done a second time as a check. The check is of special importance when the total has already been found in another copy of the register.

(f) The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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Wt. 3079/2165 25,500 12/37 W. H. & S. 668/91
S.O. Code No. 40-9999

Section **A** for the entry of D

AIR MINISTRY

Station No. 3622/5

ALL ORGANIZATION.

FORM 1090.

REGIST

36.

3622/5

CUMBERLAND

ASHYCROFT BEWCASTLE

1936-40

780703

(362993/34)

Kept at (Ashycroft) Bew

in the County of Cumberland

Diameter of Funnel of Gauge........5

Height of top of Gauge above Grou

,, Ground ,, Sea l

THE MORNING MEASURE

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	.40	.37	.09	trace	trace	.02	.70	.63	.11	trace	.15	.04		1
2	.01	.02	.01	trace	trace	.12	.26	.08	.18	trace	.20	.11		2
3	trace	trace	trace	trace	trace	.04	trace	.05	.66	trace	trace	.10		3
4	.70	trace	.12	trace	trace	trace	.05	.05	.55	trace	.25	.36		4
5	.20	trace	.07	trace	trace	.01	trace	.24	.09	trace	.25	.09		5
6	.18	trace	.02	.03	trace	trace	.79	.18	.37	trace	trace	trace		6
7	trace	trace	.18	trace	trace	trace	trace	trace	trace	trace	.36	.29		7
8	.44	trace	.16	trace	trace	trace	trace	trace	trace	trace	.23	trace		8
9	.64	trace	.28	trace	trace	trace	.90	.03	.28	.05	.12	.04		9
10	.32	trace	trace	trace	trace	trace	.02	.04	trace	trace	.15	trace		10
11	.01	trace	trace	.08	trace	.10	.06	.19	.07	trace	.45	.24		11
12	trace	trace	trace	.18	trace	.01	.13	.43	.63	trace	.04	.22		12
13	trace	trace	trace	.16	.17	trace	.02	trace	trace	.33	.18	1.60		13
14	trace	trace	trace	.03	trace	.23	.01	.40	.31	.11	.15	.37		14
15	trace	trace	trace	trace	trace	.46	.12	.36	trace	.13	.14	.11		15
16	trace	.01	.05	trace	trace	.83	.03	trace	trace	.25	trace	trace		16
17	.21	.18	trace	trace	.15	trace	.68	.07	trace	.54	.56	.84		17
18	trace	.34	trace	.05	trace	trace	.28	.19	trace	.74	.15	.03		18
19	.41	.24	trace	trace	trace	trace	.23	.11	trace	.01	trace	.10		19
20	.13	.25	.16	trace	trace	trace	.02	.05	trace	.02	trace	.53		20
21	.01	.23	.02	trace	trace	trace	.02	trace	trace	.05	trace	.07		21
22	.04	.21	.01	trace	.13	.44	.30	trace	trace	.07	trace	trace		22
23	.02	.05	.04	.27	trace	trace	.84	trace	trace	.12	trace	trace		23
24	.02	.09	trace	.24	.30	trace	.58	trace	1.95	1.36	trace	.01		24
25	.60	.01	.02	.05	trace	trace	.08	trace	.15	.21	trace	trace		25
26	.02	.23	.09	.01	trace	trace	.02	trace	.11	.29	trace	.09		26
27	.17	.07	.02	trace	trace	trace	.28	trace	.03	.15	trace	trace		27
28	.08	.42	.03	.04	.02	trace	trace	trace	trace	.02	.11	.03		28
29	.22	.07	.69	trace	.35	1.02	.05	trace	trace	.70	.03	trace		29
30	.11	✕	.27	trace	trace	.10	.55	trace	trace	trace	trace	.20		30
31	.28	✕	.31	✕	.15	✕	.38	trace	✕	.09	✕	.17		31
TOTAL	5.22	2.79	2.64	1.14	1.27	3.38	7.40	3.10	5.49	5.24	3.52	5.64	Year's Total 46.83	
* Days with .01 in. or more.	23	16	20	11	7	12	26	16	14	19	17	22	~~39~~	203
* Days with .04 in. or more.	17	13	13	8	6	9	19	15	13	16	16	19	164	

40-9999.

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

N

(Signed) BORDER R.D.C. [P.T.O.

Section **A** for the entry of Daily Observations.

Station No. 3622/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1936.

(362993/34)

Kept at Ashycroft Bewcastle.
in the County of Cumberland
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft. 0 in.
" Ground " Sea Level 750 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	.40	.37	.09	trace	trace	.02	.70	.63	.11	trace	.15	.04		1
2	.01	.02	.01	trace	trace	.12	.26	.08	.18	trace	.20	.11		2
3	trace	trace	trace	trace	trace	.04	trace	.05	.66	trace	trace	.10		3
4	.70	trace	.12	trace	trace	trace	.05	.05	.55	trace	.25	.36		4
5	.20	trace	.07	trace	trace	.01	trace	.24	.09	trace	.25	.09		5
6	.18	trace	.02	.03	trace	trace	.79	.18	.37	trace	trace	trace		6
7	trace	trace	.18	trace	trace	trace	trace	trace	trace	trace	.36	.29		7
8	.44	trace	.16	trace	trace	trace	trace	trace	trace	trace	.23	trace		8
9	.64	trace	.28	trace	trace	trace	.90	.03	.28	.05	.12	.04		9
10	.32	trace	trace	trace	trace	trace	.02	.04	trace	trace	.15	trace		10
11	.01	trace	trace	.08	trace	.10	.06	.19	.07	trace	.45	.24		11
12	trace	trace	trace	.18	trace	.01	.13	.43	.63	trace	.04	.22		12
13	trace	trace	trace	.16	.17	trace	.02	trace	trace	.33	.18	1.60		13
14	trace	trace	trace	.03	trace	.23	.01	.40	.31	.11	.15	.37		14
15	trace	trace	trace	trace	trace	.46	.12	.36	trace	.13	.14	.11		15
16	trace	.01	.05	trace	trace	.83	.03	trace	trace	.25	trace	trace		16
17	.21	.18	trace	trace	.15	trace	.68	.07	trace	.54	.56	.84		17
18	trace	.34	trace	.05	trace	trace	.28	.19	trace	.74	.15	.03		18
19	.41	.24	trace	trace	trace	trace	.23	.11	trace	.01	trace	.10		19
20	.13	.25	.16	trace	trace	trace	.02	.05	trace	.02	trace	.53		20
21	.01	.23	.02	trace	trace	trace	.02	trace	trace	.05	trace	.07		21
22	.04	.21	.01	trace	.13	.44	.30	trace	trace	.07	trace	trace		22
23	.02	.05	.04	.27	trace	trace	.84	trace	trace	.12	trace	trace		23
24	.02	.09	trace	.24	.30	trace	.58	trace	1.95	1.36	trace	.01		24
25	.60	.01	.02	.05	trace	trace	.08	trace	.15	.21	trace	trace		25
26	.02	.23	.09	.01	trace	trace	.02	trace	.11	.29	trace	.09		26
27	.17	.07	.02	trace	trace	trace	.28	trace	.03	.15	trace	trace		27
28	.08	.42	.03	.04	.02	trace	trace	trace	trace	.02	.11	.03		28
29	.22	.07	.69	trace	.35	1.02	.05	trace	trace	.70	.03	trace		29
30	.11	✕	.27	trace	trace	.10	.55	trace	trace	trace	trace	.20		30
31	.28	✕	.31	✕	.15	✕	.38	trace	✕	.09	✕	.17		31
TOTAL	5.22	2.79	2.64	1.14	1.27	3.38	7.40	3.10	5.49	5.24	3.52	5.64	Year's Total 46.83	
* Days with .01 in. or more.	23	16	20	11	7	12	26	16	14	19	17	22	~~59~~	203
* Days with .04 in. or more.	17	13	13	8	6	9	19	15	13	16	16	19	164	

40-9999.

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(*Signed*) BORDER R.D.C. [P.T.O.

N

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3622/5.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1937

Kept at Ashycroft, Bewcastle.

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. — in.

" Ground " Sea Level 750 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ✓

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	.05	.15	.17	trace	trace	.02	.16	trace	.55	.27	.01	trace		1
2	.01	.50	trace	.08	trace	.21	.06	trace	.03	trace	trace	.04		2
3	.05	.91	.05	.04	.16	.52	.30	trace	.21	trace	trace	.02		3
4	.33	trace	.01	.05	.05	.49	.14	trace	.70	trace	trace	.23		4
5	.65	trace	trace	.12	.06	.43	.16	trace	.63	trace	trace	.12		5
6	.03	.01	.07	.08	.11	.23	.03	trace	.14	trace	trace	trace		6
7	trace	.34	trace	.63	.13	trace	.01	trace	.08	trace	trace	.23		7
8	.04	.16	trace	.33	trace	.03	.25	.02	trace	trace	trace	.04		8
9	trace	.09	trace	.04	trace	trace	.04	.14	trace	trace	trace	trace		9
10	trace	trace	trace	trace	.16	.03	.02	trace	trace	trace	trace	.05		10
11	trace	trace	.43	trace	trace	trace	trace	trace	trace	trace	trace	.05		11
12	.76	.05	.16	trace	trace	.06	.10	.39	.15	trace	trace	.40		12
13	.01	.46	.04	.12	trace	.11	.03	.04	trace	.01	trace	.15		13
14	trace	.13	trace	trace	trace	.03	.32	.40	.17	trace	trace	trace		14
15	.04	.89	trace	.33	trace	trace	.26	.05	.29	trace	trace	.09		15
16	.04	.28	.40	.18	trace	.05	trace	.45	.02	trace	trace	trace		16
17	.11	.03	.11	.01	.04	trace	trace	.01	.45	trace	trace	trace		17
18	trace	.38	.12	trace	trace	.03	.04	.18	trace	trace	.20	trace		18
19	.10	.03	.03	.46	.13	.07	trace	trace	.02	trace	.30	trace		19
20	.12	.30	trace	.14	1.02	.03	.02	trace	trace	.07	trace	.03		20
21	.16	trace	.01	.05	.11	trace	.91	trace	trace	.08	trace	.25		21
22	.13	trace	.07	trace	.55	trace	.40	trace	trace	.02	.05	.52		22
23	.11	trace	.04	trace	.14	trace	.20	trace	.20	.71	trace	.29		23
24	.04	.03	.18	trace	.03	trace	.23	trace	.10	.16	trace	.07		24
25	trace	.19	trace	trace	trace	trace	trace	trace	trace	.14	trace	.09		25
26	trace	.35	trace	trace	.55	trace	trace	trace	trace	.17	trace	.03		26
27	trace	.07	trace	.16	trace	.05	trace	trace	.05	.26	trace	.01		27
28	.10	.01	trace	trace	trace	.06	trace	trace	trace	.08	.04	.01		28
29	.09		trace	trace	trace	.08	trace	.17	trace	.11	.13	.03		29
30	.18	✗	trace	trace	trace	.19	trace	.04	trace	.08	.54	trace		30
31	.35	✗	trace	✗	.09	✗	trace	.69	✗	.03	✗	trace		31
TOTAL	3.50	5.36	1.89	2.82	3.33	2.72	3.68	2.58	3.92	2.19	1.27	2.75	Year's Total 36.01	✓
* Days with .01 in. or more.	22	21	15	16	15	19	20	12	17	14	7	21	199	✓
* Days with .04 in. or more.	19	16	12	15	14	13	15	10	14	11	6	15	160	✓

† Spare column, no entries required.

(*Signed*) C. A. Cray [P.T.O.

* See Instruction 3 (f) on other side.

COPY FOR OFFICIAL USE

Section A **for the entry of Daily Observations** **Station No.** 3622/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

Kept at Ashycroft, Bewcastle,

in the County of Cumberland.

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

,, Ground ,, Sea Level 750 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	trace	.30	trace	.23	trace	.82	trace	trace	.04	trace	.20	.26		1
2	trace	.22	trace	.35	trace	trace	trace	trace	.18	.79	.09	.15		2
3	trace	.21	trace	.01	trace	.02	.52	trace	.31	1.03	.72	.01		3
4	trace	.02	trace	.25	trace	.30	.13	trace	trace	.31	.07	.99		4
5	.09	.05	trace	.02	trace	.05	.32	.16	.07	.11	.05	.11		5
6	.53	trace	trace	trace	trace	.13	.02	trace	trace	.66	.25	.01		6
7	.02	.13	trace	trace	trace	.02	.56	trace	.03	.04	.64	trace		7
8	.09	.30	trace	trace	trace	.18	.24	trace	trace	.84	1.08	.02		8
9	.07	.07	.10	trace	.13	.23	.05	trace	trace	.57	.03	.18		9
10	trace	trace	trace	trace	trace	.01	.29	trace	trace	.05	trace	.05		10
11	.16	trace	trace	trace	.05	.04	.10	trace	.03	.29	trace	.08		11
12	.39	trace	trace	trace	.36	trace	trace	.32	trace	1.13	2.32	.03		12
13	.06	.05	trace	trace	.03	trace	.81	trace	.19	.15	.29	.15		13
14	.20	trace	trace	trace	.07	trace	.01	trace	trace	.12	trace	.09		14
15	.54	trace	.62	trace	.36	trace	.58	.62	trace	.51	trace	.04		15
16	.42	.05	.06	trace	.14	trace	.05	.45	.89	.21	.03	.03		16
17	.03	trace	.07	trace	.04	trace	.03	.52	1.80	.41	trace	.04		17
18	.28	trace	.56	trace	trace	.12	trace	.30	.16	trace	.64	.02		18
19	.05	trace	.27	trace	trace	.18	trace	.43	.03	trace	.30	.05		19
20	.91	trace	.80	trace	trace	.22	trace	.10	.20	trace	.02	.02		20
21	trace	trace	.04	.03	.04	.08	trace	.08	.04	trace	.40	.03		21
22	.07	.02	trace	trace	.04	trace	trace	trace	trace	trace	.56	trace		22
23	.19	trace	trace	trace	.30	.51	trace	.10	.05	trace	.43	.05		23
24	.26	trace	.16	trace	trace	.27	.19	.01	.20	.38	.20	.02		24
25	.05	trace	.10	trace	.42	.03	1.06	trace	trace	.15	.09	.34		25
26	.32	.36	trace	trace	.62	1.31	.02	trace	trace	.47	.24	.05		26
27	.04	.31	trace	trace	.11	.79	.49	.12	trace	.06	.12	trace		27
28	.19	.14	.08	trace	.86	.80	.08	.24	trace	trace	.09	.21		28
29	.16		.06	trace	.03	.34	2.28	.11	trace	.14	.05	.19		29
30	.27	✕	.01	trace	.07	.01	.61	trace	trace	trace	.25	.05		30
31	.56	✕	.10	✕	.48	✕	.01	trace	✕	.64	✕	.33		31
TOTAL	5.95	2.23	3.03	.89	4.15	6.46	8.45	3.56	4.22	9.06	9.16	3.60	Year's Total 60.76	✓
* Days with .01 in. or more.	25	14	14	6	18	22	22	14	15	22	25	28	225	✓
* Days with .04 in. or more.	23	12	13	3	16	17	17	13	12	22	22	19	189	✓

* See Instruction 3 (f) on other side.

† Spare column, no entries required

(*Signed*) Gray

P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 36215

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at Ashycroft, Bewcastle
in the County of Cumberland
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft. 0 in.
,, Ground ,, Sea Level 750 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	.28	trace	.58	trace	trace	trace	.20	.20	trace	.06	.04	.45		1
2	.05	trace	.10	trace	trace	trace	.43	.73	.38	trace	.08	.10		2
3	trace	.02	.05	.04	trace	trace	.07	.10	.25	.01	.05	.16		3
4	trace	.41	.23	trace	.29	trace	.35	trace	.04	trace	.03	trace		4
5	trace	.89	.25	trace	trace	trace	.38	trace	trace	.10	.33	.09		5
6	.10	.95	.08	trace	.40	trace	.53	trace	trace	trace	.04	trace		6
7	1.16	1.03	.53	trace	trace	trace	.20	trace	.06	trace	.07	.07		7
8	1.66	.67	.35	.65	trace	trace	.25	trace	.20	.06	trace	.18		8
9	.13	.36	trace	trace	trace	.16	.17	.79	.23	.76	.03	.30		9
10	.03	.15	.06	trace	trace	.20	trace	1.04	.80	.53	trace	.06		10
11	.06	.47	.34	trace	trace	.16	trace	.04	.05	.40	.18	.02		11
12	.03	trace	trace	trace	trace	.01	.15	trace	.03	.06	.05	trace		12
13	.05	trace	.05	.04	.17	.03	.84	trace	trace	.38	.48	trace		13
14	1.03	.01	trace	.16	.30	.36	.24	trace	trace	.07	.69	trace		14
15	.22	.06	.06	.20	trace	.75	trace	trace	trace	trace	.24	trace		15
16	.75	.15	.15	.20	trace	.79	.03	trace	trace	trace	.10	trace		16
17	.74	.18	trace	.10	.01	.19	trace	trace	trace	trace	.30	trace		17
18	.08	.14	.19	trace	trace	.08	trace	trace	trace	.01	.46	trace		18
19	.32	trace	trace	trace	trace	.10	trace	trace	trace	trace	trace	trace		19
20	.03	.02	trace	trace	.08	.03	.32	trace	trace	trace	trace	trace		20
21	.07	.19	.17	.14	trace	trace	.01	.07	trace	trace	.06	trace		21
22	.34	.10	.09	trace	trace	trace	.07	trace	trace	.11	.57	trace		22
23	.01	.20	.09	.20	trace	.05	.10	trace	trace	trace	trace	trace		23
24	.13	.24	.07	.21	trace	.04	trace	trace	.02	trace	.25	.01		24
25	.20	.07	trace	.01	trace	.03	trace	.10	trace	trace	1.34	.05		25
26	.01	.03	.02	trace	trace	trace	trace	.30	trace	.64	.07	trace		26
27	trace	.32	.38	trace	trace	.41	.27	.21	trace	.25	.12	trace		27
28	trace	.06	.36	trace	trace	.56	1.27	trace	trace	trace	.45	trace		28
29	trace		.05	trace	trace	.07	.10	trace	trace	.55	.42	trace		29
30	.06	✕	trace	trace	trace	.37	.52	trace	trace	.25	1.02	trace		30
31	trace	✕	trace	✕	trace	✕	.44	trace	✕	.07	✕	trace		31
TOTAL	7.54	6.72	4.25	1.95	1.25	4.39	6.94	3.58	2.06	4.31	7.47	1.49	Year's Total 51.95	
* Days with .01 in. or more.	24	23	22	11	6	19	22	10	10	17	25	11	200	
* Days with .04 in. or more.	19	19	21	10	5	15	20	10	8	15	23	9	174	

† Spare column, no entries required.

(Signed) ....

[P.T.O.

* See Instruction 3 (f) on other side.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3622/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 19340 (1940)

Kept at Ashycroft, Bewcastle.

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 9 in.

,, Ground ,, Sea Level 750 ft.

Jan 29th + 30th est'd from nearby stns

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	trace	·05	trace	·43	trace	trace	·04	trace	trace	trace	trace	·30		1
2	trace	trace	trace	·26	trace	trace	·32	trace	trace	trace	·82	·14		2
3	trace	·07	trace	·25	trace	trace	trace	trace	trace	trace	·03	·09		3
4	trace	·12	trace	·02	trace	trace	·30	·03	·12	·24	trace	·30		4
5	trace	·03	trace	trace	·23	trace	·40	trace	·04	1·25	·19	·25		5
6	·05	·01	trace	trace	trace	trace	·02	trace	trace	·25	·10	1·02		6
7	·24	·04	trace	·27	trace	trace	trace	·23	·07	·09	·19	·08		7
8	·01	trace	·17	·01	·10	trace	·25	·42	·05	·23	·08	·06		8
9	trace	trace	·62	trace	trace	trace	·44	·70	·12	·70	·43	trace		9
10	trace	trace	·05	trace	trace	trace	·40	·60	trace	·02	·07	trace		10
11	trace	trace	1·90	·07	trace	trace	trace	trace	·09	trace	·95	trace		11
12	trace	·04	·70	trace	trace	trace	trace	·13	·37	trace	·02	trace		12
13	trace	·01	·08	trace	trace	trace	·35	·07	·01	·02	·01	trace		13
14	trace	·10	·07	·21	trace	trace	1·20	·11	trace	·08	trace	·03		14
15	·05	trace	trace	·02	trace	·17	trace	trace	trace	·02	·12	·44		15
16	trace	trace	trace	trace	trace	trace	·08	trace	2·03	trace	·11	·04		16
17	trace	·05	·30	trace	trace	trace	1·30	trace	·58	trace	·25	·18		17
18	·10	·01	·78	·02	trace	trace	·27	·31	·52	trace	trace	·30		18
19	trace	·08	·34	·09	trace	trace	·50	trace	·01	·02	·43	trace		19
20	trace	trace	·55	·28	trace	trace	·38	·63	trace	·03	trace	trace		20
21	trace	·04	·23	·11	trace	·85	·04	·02	trace	·09	trace	trace		21
22	trace	·12	·18	·02	·28	·07	trace	trace	·94	·03	trace	trace		22
23	·35	·15	trace	trace	trace	trace	·09	trace	·16	·30	·05	trace		23
24	·46	·16	·09	trace	trace	trace	·25	trace	·09	·03	·29	·03		24
25	·5	trace	trace	·65	·87	·24	·05	·02	trace	trace	trace	trace		25
26	·79	·54	trace	·12	2·29	·09	·27	trace	·07	·01	·35	trace		26
27	·78	trace	trace	trace	·09	trace	·03	·11	trace	trace	trace	·01		27
28	·69	·04	·01	·04	·08	trace	trace	·23	trace	trace	trace	·18		28
29	·~~75~~	trace	·18	trace	1·13	trace	·33	trace	trace	·09	trace	trace		29
30	·~~64~~	✕	·04	trace	·04	·15	·02	trace	trace	·05	·02	·46		30
31	·06	✕	·77	✕	·03	✕	trace	trace	✕	trace	✕	·05		31
TOTAL	~~5·00~~ 3·63	1·66	7·06	2·87	5·14	1·57	7·33	3·61	5·27	3·55	4·51	3·96	Year's Total 51·54	50·1~~7~~6
* Days with .01 in. or more.	14	18	18	17	10	6	23	14	16	19	19	18	192	
* Days with .04 in. or more.	13	14	17	12	9	6	20	11	14	11	15	15	157	

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) .... [P.T.O.

N+Z Circ A KERSHO

3622/7

KERSHOPE Ho.

1938 - 39

780703

Section **A** for the entry of
AIR MINIST

Station No. 3622/7
NFALL ORGANIZATION

FORM 1090

REGIS 938

June 1-12th estd from nearby Stations 25/4/39 GB

Kept at ......Kershope Hou

in the County of ......Cumb

22/7

Diameter of Funnel of Gauge......

Height of top of Gauge above Gr

,, Ground ,, Se

7/10/38

THE MORNING MEASUR OUS DAY

Jan. 1, following

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1							·07	—	·03	trace	·40	·30		1
2							—	—	·22	·82	·22	·13		2
3							·10	—	·22	1·44	·73	trace		3
4							·03	—	trace	·25	from	·88		4
5							·13	·20	·20	·10	4th to	·40		5
6							·08	·05	·03	·66	7th inclusive	·03		6
7						(1·80)	·70	—	trace	·08	·95	·03		7
8							·20	·03	—	·76	1·30	trace		8
9							trace	—	—	·36	—	·16		9
10							·30	—	—	·12	·03	·05		10
11							·13	—	—	·32	·05	·15		11
12							—	·31	—	1·00	2·05	trace		12
13						—	—	—	·10	·27	0·25	·18		13
14						—	trace	—	—	·10	trace	·03		14
15						—	trace	1·07	trace	·62	—	·07		15
16						—	—	·32	·51	·31	trace	trace		16
17						—	·10	·15	·09	·44	trace	—	Dec.	17
18						·07	—	·46	·10	·18	0·80	·03	Snow 12° frost	18
19						·07	—	·34	·14	—	·34	·10	Snow 18° frost	19
20						·11	—	·06	trace	—	·25	·02	20° frost	20
21						·03	—	·08	·05	·04	·10	·13	11° frost	21
22						—	—	—	—	trace	·68	—	6° frost	22
23						·25	—	·03	·05	—	·30	—	4° "	23
24						·29	—	—	·25	·32	·25	—	5° "	24
25						—	1·30	—	—	·15	trace	—	7° "	25
26						1·47	·08	—	—	·51	trace	·38		26
27						·40	1·15	·12	—	·01	·45	·02		27
28						1·27	·03	·03	·01	·04	·15	—	4° frost	28
29						·13	4·46	·22	—	·14	·20	·21		29
30		✕				·05	2·10	trace	·59	trace	·24	·07		30
31		✕		✕		✕	—	trace	✕	·48	✕	—	8° frost	31
TOTAL						(5·94) ~~4·14~~	10·96 ✓	3·47 ✓	2·59 ✓	9·52 ✓	9·74 ✓	3·37 ✓	½ Year's Total ~~29·65~~	
* Days with .01 in. or more.						imp	16	15	15	25	20	20		
* Days with .04 in. or more.						—	14	12	13	24	19	14		

as incomplete GB 25/4/39

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(Signed) ...J. Morris Gatheral...... [P.T.O.

CAPT. J. M. GATHERAL.

N

N+Z Circ A KERSHO [redacted]

Section A for the entry of [redacted] Station No. 3622/7

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

Kept at Kershope House Penton

in the County of Cumberland

Diameter of Funnel of Gauge 5" in.

Height of top of Gauge above Ground 2 ft. 2½ in.

,, Ground ,, Sea Level 400 ft.

Station number 3622/7

File number 790910/38

June 1-12th est'd from nearby Stations 25/4/39 GB

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1							·07	—	·03	trace	·40	·30		1
2							—	—	·22	·82	·22	·13		2
3							·10	—	·22	1·44	·73	trace		3
4							·03	—	trace	·25	From	1·88		4
5							·13	·20	·20	·10	4th to	·40		5
6							·08	·05	·03	·66	7th inclusive	·03		6
7						(1·80)	·70	—	trace	·08	·95	·03		7
8							·20	·03	—	·76	1·30	trace		8
9							trace	—	—	·36	—	·16		9
10							·30	—	—	·12	·03	·05		10
11							·13	—	—	·32	·05	·15		11
12							—	·31	—	1·00	2·05	trace		12
13						—	—	—	·10	·27	0·25	·18		13
14						—	trace	—	—	·10	trace	·03		14
15						—	trace	1·07	trace	·62	—	·07		15
16						—	—	·32	·51	·31	trace	trace		16
17						—	·10	·15	·09	·44	trace	—	Dec.	17
18						·07	—	·46	·10	·18	0·80	·03	Snow 12° frost	18
19						·07	—	·34	·14	—	·34	·10	Snow 18° frost	19
20						·11	—	·06	trace	—	·25	·02	20° frost	20
21						·03	—	·08	·05	·04	·10	·13	11° frost	21
22						—	—	—	—	trace	·68	—	6° frost	22
23						·25	—	·03	·05	—	·30	—	4° "	23
24						·29	—	—	·25	·32	·25	—	5° "	24
25						—	1·30	—	—	·15	trace	—	7° "	25
26						1·47	·08	—	—	·51	trace	·38		26
27						·40	1·15	·12	—	·01	·45	·02		27
28						1·27	·03	·03	·01	·04	·15	—	4° frost	28
29						·13	4·46	·22	—	·14	·20	·21		29
30		✕				·05	2·10	trace	·59	trace	·24	·07		30
31		✕		✕		✕	—	trace	✕	·48	✕	—	8° frost	31
TOTAL						(5·94) ~~4·14~~	10·96 ✓	3·47 ✓	2·59 ✓	9·52 ✓	9·74 ✓	3·37 ✓	½ Year's Total ~~39·65~~	
* Days with .01 in. or more.						incomp	16	15	15	25	20	20		
* Days with .04 in. or more.						—	14	12	13	24	19	14		

[illegible] incomplete GB 25/4/39

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(Signed) J. Morris Gatheral [P.T.O.

N

CAPT. J. M. GATHERAL.

KERSHOPEFOOT (KERSHOPE HO.)

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3622/7

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at Kershope House Penton Carlisle
in the County of Cumberland
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 2 ft. 2½ in.
,, Ground ,, Sea Level 400 ft.

[illegible] 1938
Station number 3622/7
Entry on Oct 9th adjusted by reference to surrounding stns.
File number 790910/38

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·18	–	·92	–	–	–	·20	·06	trace	trace	–	·28		1
2	·27	–	·90	trace	–	–	·13	1·04	·88	·03	–	·04		2
3	·05	–	·20	trace	–	–	trace	·06	·16	·05	·08	·25		3
4	–	·44	·07	–	–	–	·43	–	trace	trace	·06	trace		4
5	trace	·83	·03	–	·28	–	·46	–	·22	·02	·34	trace		5
6	–	1·56	·76	–	–	–	·34	trace	trace	–	trace	trace		6
7	·20	·29	·08	–	·03	–	trace	trace	·07	trace	·05	·13		7
8	·86	·94	–	·59	trace	–	·15	·58	·20	–	·37	·45		8
9	1·44	·30	·02	–	–	–	·22	·35	·32	(·90) ~~trace~~	·09	·20		9
10	·09	·19	·39	–	trace	·21	–	·03	·70	·70	·12	·02		10
11	trace	·38	trace	–	–	·21	trace	trace	trace	·05	·12	·03		11
12	–	·11	–	·15	–	trace	·30	–	–	·12	trace	·03		12
13	–	–	–	·10	·16	·04	·56	–	–	·08	·67	trace		13
14	1·00	–	trace	·13	·22	·55	·22	–	·28	·05	·47	–		14
15	·26	·10	·02	·25	–	·81	–	–	trace	–	·10	–		15
16	·30	·30	–	·08	trace	–	–	–	–	–	·06	–		16
17	·85	·17	–	–	trace	trace	·17	–	–	trace	·07	–		17
18	·57	·10	·10	–	trace	·21	trace	–	–	trace	·55	trace		18
19	·06	–	–	–	·08	·09	–	–	–	–	–	trace		19
20	·33	·08	trace	–	·05	trace	–	–	trace	–	–	–		20
21	Trace	·28	·18	·14	·02	trace	trace	·14	trace	trace	–	–		21
22	·32	·07	trace	–	–	trace	·05	trace	–	·07	·55	trace		22
23	–	·13	·18	·16	–	·08	·05	trace	–	trace	–	·02		23
24	·04	·31	trace	·15	–	·03	–	–	trace	trace	·07	–		24
25	·28	·10	trace	trace	–	–	–	·13	–	–	1·35	trace		25
26	·07	·05	·17	trace	–	–	–	·19	–	·20	·08	–		26
27	–	·13	·12	trace	–	·62	·22	trace	trace	·44	·15	–		27
28	–	·13	–	trace	–	·53	1·87	trace	–	trace	·37	–		28
29	–		–	trace	–	·36	·47	–	trace	·14	·27	–		29
30	trace		–	–	–	·10	·63	–	trace	·09	·94	–		30
31	–		–		–		1·23	–		trace		–		31
TOTAL	7·17	6·99	4·14	1·75	0·84	3·84	6·70	2·55	2·83	(2·94) ~~2·04~~	6·92	1·45	Year's Total 48·12 ~~47·22~~	
* Days with .01 in. or more.	~~18~~	~~22~~	~~15~~	~~9~~	~~7~~	~~13~~	~~18~~	~~9~~	~~8~~	~~14~~	~~22~~	~~10~~	~~165~~	
* Days with .04 in. or more.	18	22	12	9	5	12	18	8	8	12	22	6	152	

CAPT. J. M. GATHERL.

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(Signed) J. Morris Gatheral

[P.T.O.

FORM 1090.

B Monthly Summary.

, **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 19~~4~~40

At Styehead Tarn

In the County of Cumberland . 2 .

Rain Gauge {
Diameter of Funnel........................in.
Height of Top above Ground.........ft.............in.
Height of Ground above Sea Level...................ft.

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	2·90				
FEB.					
MAR.					
APRIL					
MAY					
JUNE					
JULY					
AUG.	10·50				
SEPT.	16·00				
OCT.	17·00				
NOV.	15·00				
DEC.	19·75				
TOTAL	imp.				

n.p

Signature ....

* See Instruction 3 *(f)* below.

C

3624

STYE HEAD TARN

1931 - 40

780703

Every observer is re... notes as far as po...

Name and Address to w...

....

....

Hour of observation by th...

Nearest Railway Station...

Nearest Parish Church at...

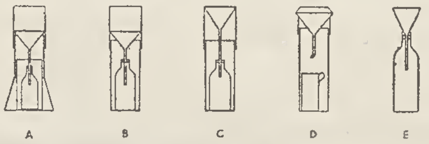
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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Wt. 2778/2036 21,000 10/38 W. H. & S. 668/91 S.O. Code No. 40-9999

FORM 1090. **B** Monthly Summary. **C** on.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1940

At Styehead Tarn

In the County of Cumberland 2.

Rain Gauge
- Diameter of Funnel..........................in.
- *Height of Top above Ground*..........*ft*............*in.*
- *Height of Ground above Sea Level*..................*ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	2·90				
FEB.					
MAR.					
APRIL					
MAY					
JUNE					
JULY					
AUG.	10·50				
SEPT.	16·00				
OCT.	17·00				
NOV.	15·00				
DEC.	19·75				
TOTAL	imp.				

n.p

Signature ....

* See Instruction 3 *(f)* below.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Hour of observation by the clock—in Winter..........................in Summer....................

Nearest Railway Station.................................... Distance.................. Direction from gauge..............

Nearest Parish Church at.................................... Distance.................. Direction from gauge..............

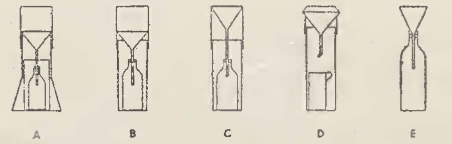
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

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(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked* ·005; *this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this* ·005 *mark or between this* ·005 *and the* ·01 *mark are to be entered as* ·01 *even though they may be nearer to the* ·005 *mark than the* ·01 *mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

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(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

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3624

FORM 1090 | **B** | Monthly Summary.

, The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939.

At Styehead Tarn ~~[illegible]~~

In the County of Cumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* *in.*
- *Height of Ground above Sea Level* 1472 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with 01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
JAN.	17·50				
FEB.	21·50				
MAR.	11·00				
APRIL	(6·75) ~~8·00~~				
MAY	(2·00) ~~·75~~				
JUNE	13·25				
JULY	19·25				
AUG.	4·75				
SEPT.	6·00				
OCT.	5·75				
NOV.	30·00				
DEC.	(6·00)				
TOTAL	143·75				

Signature ....

* See Instruction 3 (*f*) below.

| **C** | Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Copy by B.R.O.

Hour of observation by the clock—in Winter........................in Summer........................

Nearest Railway Station........................ Distance.................. Direction from gauge..............

Nearest Parish Church at........................ Distance.................. Direction from gauge..............

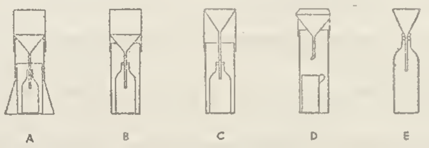
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move........................ Distance.................. Direction..............

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

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NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

April & May adjusted for date of reading

Dec. Gauge frozen

Dec total est'd from nearby stns

| D | INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

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FORM 1090.

3624

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At Styhead Tarn

In the County of Cumberland

Rain Gauge
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- *Height of Ground above Sea Level* 1472 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	23·25				
FEB.	6·75				
MAR.	13·25				
APRIL	2·25				
MAY	12·75				
JUNE	15·50				
JULY	25·25				
AUG.	9·50				
SEPT.	11·00				
OCT.	34·50				
NOV.	21·50				
DEC.	12·00				
TOTAL	187·50 ✓				

Signature Frank Bainbridge

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Copy by B.R.O.

Hour of observation by the clock in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

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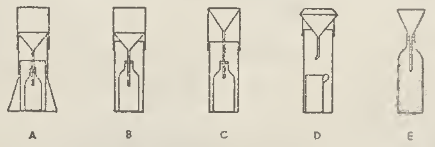

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(c) When was the measurement made?

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\begin{array}{c|c|}17 & \\ 18 & \end{array}\Big\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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3624

Copy by B.R.O.

FORM 1090.

B Monthly Summary.

. The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1937

At Styhead Tarn

In the County of Cumberland

Rain Gauge
- Diameter of Funnel.........................in.
- *Height of Top above Ground.........ft.............in.*
- *Height of Ground above Sea Level................ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	20·00				
FEB.	19·00 ~~2·40~~				
MAR.	5·00				
APRIL	10·25				
MAY	3·00				
JUNE	12·00				
JULY	11·25				
AUG.	6·75				
SEPT.	13·50				
OCT.	6·75				
NOV.	4·75				
DEC.	8·50				
TOTAL	120·75				

Signature ....

*See Instruction 2 *(f)* below.

C Particulars of Station,

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter........................in Summer..................

Nearest Railway Station.. Distance.................. Direction from gauge............

Nearest Parish Church at.. Distance.................. Direction from gauge............

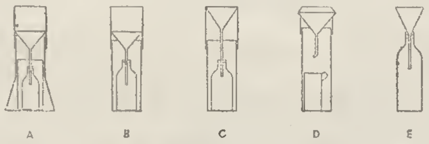
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and E.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

January. The 3 Sty Guages were frozen, so I put the ruler through the ice.

D INSTRUCTIONS.

1. Rules for measuring the rainfull and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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Wt.3430/1699 15,000 2/35 W. H. & S. 668/91.

3624

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1936

At Stye Head Tarn

In the County of Cumberland

Rain Gauge
- Diameter of Funnel No 5 in.
- *Height of Top above Ground* .... *ft* .... *in*.
- *Height of Ground above Sea Level* .... *ft*.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	15.50				
FEB.	8.50				
MAR.	9.75				
APRIL	3.00				
MAY	2.00				
JUNE	8.00				
JULY	18.50				
AUG.	6.00				
SEPT.	17.00				
OCT.	17.5				
NOV.	18.5				
DEC.	21.50				
Total	145.75				

Signature F. Bainbridge

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Copy by B.R.O.

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Height of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these, please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{r}17\\18\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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3624

FORM 1090. **B** Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1935

At Stye Head Farm

In the County of Cumberland

Rain Gauge
- Diameter of Funnel No 5 in.
- *Height of Top above Ground .... ft. .... in.*
- *Height of Ground above Sea Level .... ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	15.00				
FEB.	31.25				
MAR.	4.25				
APRIL	9.85				
MAY	1.50				
JUNE	10.00				
JULY	8.75				
AUG.	11.25				
SEPT.	18.50				
OCT.	26.25				
NOV.	14.50				
DEC.	8.00				
Total	159.10				

Signature F. Bainbridge

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 }·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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M

3624

FORM 1090. **B** Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1934

At Stye Head Tarn

In the County of Cumberland

Rain Gauge
Diameter of Funnel No 5 in.
Height of Top above Ground .... *ft* .... *in.*
Height of Ground above Sea Level .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	27·00				
FEB.	3·50				
MAR.	8·75				
APRIL	7·25				
MAY	13·00				
JUNE	9·00				
JULY	6·00				
AUG.	21·50				
SEPT.	19·25				
OCT.	(25.25)				
NOV.	(6.00) ~~31·25~~				
DEC.	23·25				
Total	168·75 ✓				

Signature F. Bainbridge

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

October & November allocated by surrounding Stns.

M

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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3624

FORM 1090.

B Monthly Summary.

⁎ The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1933.

At Stye Head Tarn

In the County of Cumberland

Rain Gauge
- Diameter of Funnel No 5 in.
- *Height of Top above Ground* .... *ft* .... *in.*
- *Height of Ground above Sea Level* .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	18.00				
	snow		snow		
FEB.		(15.25)			
MAR.	~~27.00~~	(11.75)			
APRIL	6.50				
MAY	5.00				
JUNE	5.00				
JULY	13.50				
AUG.	8.00				
SEPT.	2.50				
OCT.	9.25				
NOV.	3.75				
DEC.	4.75				
Total	103.25 ✓				

Signature J. Bainbridge

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

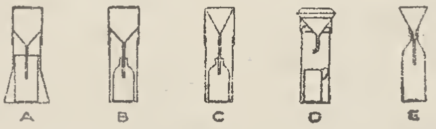
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Feb & March to be allocated.

Feb. & March allocated.

24/4/34.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 | 18 | } ·14 | would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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M

3624

FORM 1090. **B** Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1932

At Stye Head Tarn

In the County of Cumberland

Rain Gauge
- Diameter of Funnel No 5 in.
- *Height of Top above Ground* .... *ft* .... *in*.
- *Height of Ground above Sea Level* .... *ft*.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	(36·00)				
FEB.	·00				
MAR.	10·10				
APRIL	12·50				
MAY	10·65				
JUNE	6·50				
JULY	15·75				
AUG.	(7 50)* ~~12·50~~	7.50			
SEPT.	(20·50) ~~15·50~~	20 50			
OCT.	23·00				
NOV.	12·50				
DEC.	30·00				
Total	(185·00)				

Signature J. Bainbridge

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

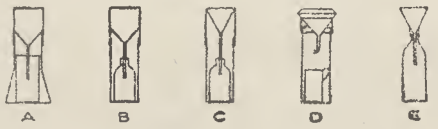
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

* Including 1st September a very wet day.

January estimated (see other Stye gauges)

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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20297/28

3624

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1931

At Stye Head Tarn

In the County of Cumberland

Rain Gauge
- Diameter of Funnel No 5 in.
- *Height of Top above Ground ...... ft ...... in.*
- *Height of Ground above Sea Level ...... ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	(15·00)				
FEB.	(15·50)				
MAR.	2·50				
APRIL	7·50				
MAY	8·10				
JUNE	13·75				
JULY	22·50				
AUG.	8·65				
SEPT.	9·05				
OCT.	11·10				
NOV.	28·26				
DEC.	(20·00)				
Total	(162·71)				

Signature T G Bainbridge for M O M.

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter ...... in Summer ......

Nearest Railway Station ...... Distance ...... Direction from gauge ......

Nearest Parish Church at ...... Distance ...... Direction from gauge ......

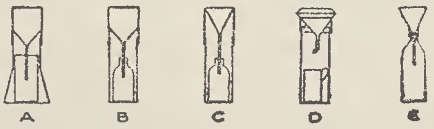
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move ...... Distance ...... Direction ......

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Jan. & Feby estimated from snowstorms

Dec. G. frozen total estd.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

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(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

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3625.

FORM 1090. **B** Month
Summ

3625

—

STYE HEAD 4" B

OLD GAUGE

1931 - 40

780703

*** The following register of monthly t
&c., is NOT required if daily or w
values are given on the other side.

and also the space for

register should be sent:—

....

....

.....in Summer.........

Direction from .... gauge ....

Direction from .... gauge ....

RAINFALL IN 1931

At Stye Head 4" B.

In the County of Cumberland

Rain Gauge
Diameter of Funnel.....................
Height of Top above Ground.........ft.........in.
Height of Ground above Sea Level.........ft.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	(15·20)				
FEB.	(15·80)				
MAR.	2·10				
APRIL	7·25				
MAY	7·50				
JUNE	12·50				
JULY	21·75				
AUG.	9·80				
SEPT.	8·75				
OCT.	10·20				
NOV.	26·35				
DEC.	19·50				
Total	(156·70)	[illegible]			

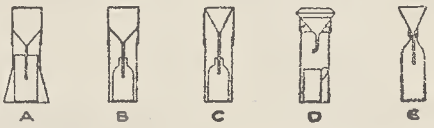
nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move..................... Distance............ Direction............

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Jan & Feby gauge frozen
amounts estimated from surroundings.

Signature T. Bainbridge for MO

M

*See Instruction 2 (*f*) below.

20 57 66

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

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(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

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(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

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3625

FORM 1090.

B Monthly Summary.

⁎ The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1931

At Stye Head 4" B

In the County of Cumberland

Rain Gauge
- Diameter of Funnel .... in.
- *Height of Top above Ground* ...... *ft* ...... *in*.
- *Height of Ground above Sea Level* ...... *ft*.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with ·01 in or more	Number of Days with ·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	(15·20)				
FEB.	(15·80)				
MAR.	2·10				
APRIL	7·25				
MAY	7·50				
JUNE	12·50				
JULY	21·75				
AUG.	9·80				
SEPT.	8·75				
OCT.	10·20				
NOV.	26·35				
DEC.	19·50				
Total	(156·70)	[illegible]			

Signature J. Bainbridge for MO

M

*See Instruction 2 (*f*) below.

C Particulars of Station.

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Name and Address to which any inquiry relating to this register should be sent:— ....

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Nearest Railway Station .... Distance .... Direction from gauge ....

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Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

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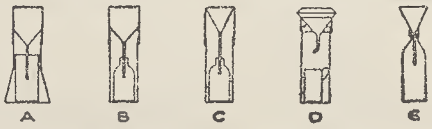

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In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Jan & Feb gauge frozen

amounts estimated from [illegible].

20 67 66

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

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9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

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(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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820297/28

3626

FORM 1090. **B** Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1931

At Stye Head 5" B.

In the County of Cumberland

Rain Gauge
Diameter of Funnel..........in.
Height of Top above Ground..........ft..........in.
Height of Ground above Sea Level..........ft.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with ·01 in or more	Number of Days with ·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	(16.00)				
FEB.	(16.50)				
MAR.	2.15				
APRIL	7.75				
MAY	7.75				
JUNE	13.65				
JULY	22.15				
AUG.	10.50				
SEPT.	9.25				
OCT.	10.90				
NOV.	27.25				
DEC.	20.15				
Total	(164.00)				

Signature T A. Bainbridge for MO

M

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter..........in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge ....

Nearest Parish Church at.......... Distance.......... Direction from gauge ....

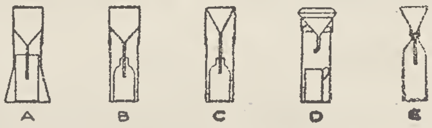
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Jan + Feby gauge frozen
amounts estimated from other stns.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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FORM 1090.

B Monthly Summary.

3626

, The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1932 Ged. 9.

At Stye Head 5" ~~old gauge~~ "Seathwaite" B.

In the County of Cumberland

Rain Gauge
Diameter of Funnel .... in.
Height of Top above Ground .... ft .... in.
Height of Ground above Sea Level .... ft.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	34·70				
FEB.	·00				
MAR.	11·00				
APRIL	12·25				
MAY	8·75				
JUNE	6·00				
JULY	14·25				
AUG.	(7·65)* ~~11·65~~	7.65			
SEPT.	(20·75) ~~16·75~~	2075			
OCT.	22·50				
NOV.	13·75				
DEC.	28·00				
Total	179·60				

Signature J. Bainbridge

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

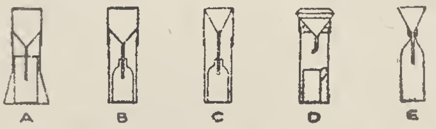
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

* Including 1st September a very wet day.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{l}17\\18\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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3626

FORM 1090.

B Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1933.

At Stye Head 5" "Seathwaite"

In the County of Cumberland

Rain Gauge
Diameter of Funnel B. [illegible] in.
Height of Top above Ground ...... *ft* ...... *in.*
Height of Ground above Sea Level ...... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	17.50				
	[illegible] under snow				
FEB.	(14.50)				
	(11.75)				
MAR.	~~26.25~~				
APRIL	5.50				
MAY	4.75				
JUNE	4.75				
JULY	13.00				
AUG.	7.75				
SEPT.	2.50				
OCT.	9.50				
NOV.	3.50				
DEC.	4.50				
Total	99.50 / vt				

Signature J. Bainbridge

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter ...... in Summer ......

Nearest Railway Station ...... Distance ...... Direction from gauge ......

Nearest Parish Church at ...... Distance ...... Direction from gauge ......

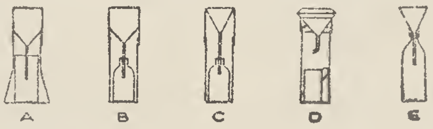
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move ...... Distance ...... Direction ......

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Feb & Mar allocated by near stns. J.W.B.

The values for this gauge were identical with those from the 5" octagonal with the exception of April.
This return shd therefore not be published

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{r}17\\18\end{array}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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D

M

3626

× ~~Bainbridge~~

1933 Mo.

FORM 1090. **B** Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1934

At Stye Head 5" "Seathwaite"

In the County of Cumberland

Rain Gauge

Diameter of Funnel B. old g. in.

Height of Top above Ground .... *ft* .... *in.*

Height of Ground above Sea Level .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	24·00				
FEB.	3·25	—			
MAR.	8·25	—			
APRIL	7·00	—			
MAY	12·50	—			
JUNE	7·75	—			
JULY	4·50				
AUG.	19·00				
SEPT.	18·25				
OCT.	26·00				
NOV.	6·75				
DEC.	22·00				
Total	159·25 ✓				

n.p. Feb.–June identical with 3626/1

Signature F. Bainbridge Esq.

*See Instruction 2 (*f*) below.

MO

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you **know of any record of rainfall** not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

1934 Feb.–June identical with Octapent g. No 3626/1

not published in 1933 as some values were identical with the Octapent g. No 3626/1

Do not print

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}{\cdot}14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(506) Wt.24107/1845 15000 3/33. Gp. 119/110.

3626

Cumb/2

FORM 1090. | **B** | **Monthly Summary.**

*** **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1935

B

At Stye Head 5" Seathwaite

In the County of Cumberland

Rain Gauge
- Diameter of Funnel B. ~~6ft gauge~~ in.
- *Height of Top above Ground* ..... *ft.* ..... *in.*
- *Height of Ground above Sea Level* ..... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	14·25				
FEB.	28·00				
MAR.	4·70				
APRIL	9·00				
MAY	1·25				
JUNE	10·25				
JULY	10·50				
AUG.	9·75				
SEPT.	18·00				
OCT.	27·00				
NOV.	15·50				
DEC.	8·75				
Total	156·95				

Signature F. Bainbridge

*See Instruction 2 (*f*) below.

| **C** | **Particulars of Station.**

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter ..... in Summer .....

Nearest Railway Station ..... Distance ..... Direction from gauge .....

Nearest Parish Church at ..... Distance ..... Direction from gauge .....

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move ..... Distance ..... Direction .....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

1933/34 n/o

| **D** | **INSTRUCTIONS.**

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(506) Wt.24107/1845 15000 3/33. Gp. 119/110.

3626

FORM 1090.

B Monthly Summary.

*** **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1936

At Seathwaite, Stye Head

In the County of Cumberland

Rain Gauge
- Diameter of Funnel 5" B. old g. in.
- *Height of Top above Ground* .... *ft* .... *in.*
- *Height of Ground above Sea Level* .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
JAN.	16·00				
FEB.	6·50				
MAR.	9·75				
APRIL	2·75				
MAY	2·50				
JUNE	9·00				
JULY	18·25				
AUG.	6·25				
SEPT.	16·25				
OCT.	17·50				
NOV.	18·50				
DEC.	23·00				
Total	146·25 ✓				

Signature F. Bainbridge

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Copy by B.R.O.

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

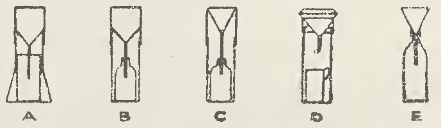
Nature of objects nearest to gauge				
Height of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.* *9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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3626

Form 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1937

At Stye Head B ldg Seathwaite

In the County of Cumberland

Rain Gauge
Diameter of Funnel........................in.
Height of Top above Ground.........ft.............in.
Height of Ground above Sea Level..................ft.

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
Jan.	25·00				
Feb.	22·00				
Mar.	4·~~75~~ 00				
April	9·00				
May	3·00				
June	11·25				
July	10·25				
Aug.	7·25				
Sept.	13·00				
Oct.	7·00				
Nov.	4·75				
Dec.	8·25 ✓				
Total	124·75	✓			

Signature ....

C Particulars of Station, Copy by B.R.O.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—
....
....

Hour of observation by the clock—in Winter......................in Summer..................

Nearest Railway Station................................ Distance.................. Direction from gauge...............

Nearest Parish Church at................................ Distance.................. Direction from gauge...............

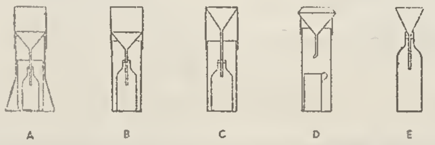
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—
....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

January. The 3 Sty Guages were frozen, so I put the ruler through the ice.

---

*See Instruction 2 *(f)* below.

D INSTRUCTIONS.

1. Rules for measuring the rainfull and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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Wt.3430/1699 15,000 2/35 W. H. & S. 668/91.

FORM 1090.

3626

B Monthly Summary.

. The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1938

At Stye Head Bldg

In the County of Cumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 6 *in.*
- *Height of Ground above Sea Level* 1070 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
JAN.	22.50				
FEB.	9·00				
MAR.	15·50				
APRIL	2.00				
MAY	12.75				
JUNE	14.75				
JULY	26.50				
AUG.	10.50				
SEPT.	9·25				
OCT.	(34·50)×				
NOV.	23·75				
DEC.	12.00				
TOTAL	193·00 ✓				

Signature Frank Bainbridge

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Copy by B.R.O.

Hour of observation by the clock—in Winter........................in Summer........................

Nearest Railway Station........................ Distance........ Direction from gauge........

Nearest Parish Church at........................ Distance........ Direction from gauge........

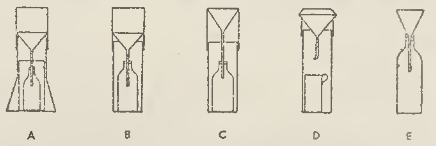
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move........................ Distance........ Direction........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

* Gauge overflowing
× Value estimated

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{l}17\\18\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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Wt.1046/3030. 26,000. 4/36. W. H. & S. 668/91. S.O. Code No. 40-9999

3626

FORM 1099

B Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939..

At Stye Head Boldg

In the County of Cumberland

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 6 *in.*
Height of Ground above Sea Level 1070 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	17·75				
FEB.	24·75				
MAR.	13·00				
APRIL	~~9·25~~ (8·00)				
MAY	~~·75~~ (2·00)				
JUNE	13·75				
JULY	18·50				
AUG.	4·75				
SEPT.	6·50				
OCT.	5·25				
NOV.	28·00				
DEC.	5·75				
TOTAL	148·00 ✓				

Signature ....

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Copy by B.R.O.

Hour of observation by the clock—in Winter.................... in Summer....................

Nearest Railway Station.................... Distance.................... Direction from gauge....................

Nearest Parish Church at.................... Distance.................... Direction from gauge....................

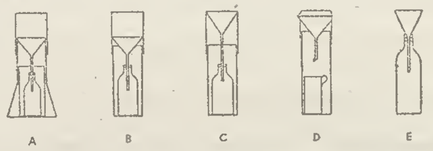
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.................... Distance.................... Direction....................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please **give** particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

April & May adjusted for day of reading

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

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9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this* ·005 *mark or between this* ·005 *and the* ·01 *mark are to be entered as* ·01 *even though they may be nearer to the* ·005 *mark than the* ·01 *mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9999

3626

FORM 1090.

B Monthly Summary.

C Particulars of Station.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1940

At Stye Head Old (B)

In the County of Cumberland

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 ft. 0 in.
Height of Ground above Sea Level ~~1100~~ 1070 ft.

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	(2.90)				
FEB.	6.50				
MAR.	17.00				
APRIL	5.25				
MAY	2.50				
JUNE	2.00				
JULY	13.50				
AUG.	13.50				
SEPT.	20.00				
OCT.	20.25				
NOV.	18.50				
DEC.	23.50				
TOTAL	145.40				

Signature F. BAINBRIDGE

up high WH.
Note on log-b that Sept-Dec totals appear too high.

* See Instruction 3 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Hour of observation by the clock—in Winter.................in Summer.................

Nearest Railway Station.................. Distance.............. Direction from gauge..............

Nearest Parish Church at.................. Distance.............. Direction from gauge..............

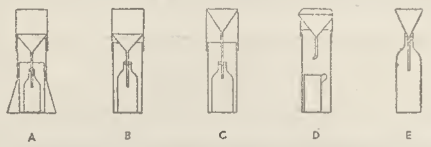
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.................. Distance.............. Direction..............

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Copy by B.R.O.

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(*a*) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the **total** has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left **blank.**

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9999

X STYE HEAD

3626/1

FORM 1090. **B** M
S

n.

3626/1

STYE HEAD A
NEW GAUGE
1932-40

780703

*** The following register of mon
&c. is NOT required if daily
values are given on the other

ction and also the space for

this register should be sent:— Cumb/2

RAINFALL IN 193
"o

At Stye Head 5"

In the County of Cumberl

Rain Gauge
Diameter of Funnel 5
Height of Top above Ground 1 *ft.* 0 *in.*
Height of Ground above Sea Level 1100 *ft.*

in Summer

stance Direction from gauge

stance Direction from gauge

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	(34.70) ~~30~~	~~from~~	~~Jan.~~	~~25~~	
FEB.	·00				
MAR.	10·25				
APRIL	(12.25) ~~4.00~~				
MAY	8·75				
JUNE	6·00				
JULY	14·25				
AUG.	(7.50) ~~11·50~~	7.50			
SEPT.	(20.75) ~~16·75~~	20.75			
OCT.	22·50				
NOV.	13·75				
DEC.	28·00				
Total	(178.70)				

If gauge has been moved during the year state—

Date of move Distance Direction

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

April, gauge tampered with.

new gauge set up on new site 23.1.32

print

X *Signature* T. Bainbridge Esq for M.O. X

* Including 1st September a very wet day.

Est Jan: January value taken from 3626. April value taken from 36.26.

*See Instruction 2 (*f*) below.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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N

STYE HEAD

3626/1

FORM 1090. **B** Monthly Summary.

*** The following register of monthly totals, &c. is NOT required if daily or weekly values are given on the other side.*

RAINFALL IN 1932

"Octapent"

At Stye Head 5" ~~[illegible]~~ A.

In the County of Cumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft* 0 *in.*
- *Height of Ground above Sea Level* 1100 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	(34·70) ~~30~~	~~from~~	~~Jan.~~	~~25~~	
FEB.	·00				
MAR.	10·25				
APRIL	(12·25) ~~[illegible]~~				
MAY	8·75				
JUNE	6·00				
JULY	14·25				
AUG.	(7·50)* ~~4·50~~	7·50			
SEPT.	(20·75) ~~10·75~~	2075			
OCT.	22·50				
NOV.	13·75				
DEC.	28·00				
Total	(178·70)				

Signature T. Bainbridge Esq for M.O.

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:— Cumb/2

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

April, gauge tampered with.

new gauge set up on new site 23.1.32

print

* Including 1st September a very wet day.

Est Jan.: January value taken from 3626. April value taken from 36.26.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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N

3626/1

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1933.

5. [illegible]

At Stye ~~Head~~ 5" "Octapent" A

In the County of Cumberland

Rain Gauge
Diameter of Funnel .... in.
Height of Top above Ground .... *ft* .... *in.*
Height of Ground above Sea Level .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	17.50				
FEB.	(14.75) under snow				
MAR.	(11.75) ~~26.50~~				
APRIL	6.00				
MAY	4.75				
JUNE	4.75				
JULY	13.00				
AUG.	7.75				
SEPT.	2.50				
OCT.	9.50				
NOV.	3.50				
DEC.	4.50				
Total	100.25 ✓				

Signature J. Bainbridge

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

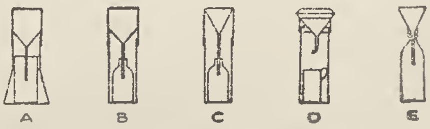
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Feb + Mar allocated by near stns J.G.O.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{l}17\\18\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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D M

FORM 1090.

B Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1934

At Stye Head 5" "Octapent A"

In the County of Cumberland

Rain Gauge
Diameter of Funnel new 9 5 in.
Height of Top above Ground ...... *ft* . — *in.*
Height of Ground above Sea Level —— *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	25·50				
FEB.	3·25				
MAR.	8·25				
APRIL	7·00				
MAY	12·50				
JUNE	7·75				
JULY	5·00				
AUG.	19·75				
SEPT.	18·75				
OCT.	27·00				
NOV.	6·80				
DEC.	22·50				
Total	164·05 ✓				

Signature F. Bainbridge

*See Instruction 2 (*f*) below.

M

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter ...... in Summer ......

Nearest Railway Station ...... Distance ...... Direction from gauge ——

Nearest Parish Church at ...... Distance ...... Direction from gauge ——

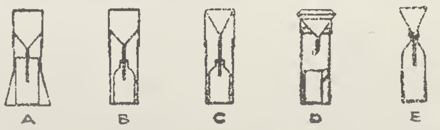
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move ...... Distance ...... Direction ......

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(506) Wt.24107/1845 15000 3/33. Gp. 119/110.

3626/1

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1935

At Stye Head 5" "Getapent A"

In the County of Cumberland

Rain Gauge
- Diameter of Funnel mm 9.5 in.
- *Height of Top above Ground* .... *ft* .... *in*.
- *Height of Ground above Sea Level* .... *ft*.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	14·50				
FEB.	28·25				
MAR.	4·75				
APRIL	9·25				
MAY	1·50				
JUNE	10·25				
JULY	10·00				
AUG.	9·75				
SEPT.	19·00				
OCT.	26·25				
NOV.	15·25				
DEC.	8·60				
Total	15735				

Signature F. Bainbridge

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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3626/1

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1936.

At Stye Head, Octapent A"

In the County of Cumberland

Rain Gauge
Diameter of Funnel 5" New g. in.
Height of Top above Ground .... *ft* .... *in.*
Height of Ground above Sea Level .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	16·00				
FEB.	6·00				
MAR.	9·50				
APRIL	2·75				
MAY	2·25				
JUNE	9·50				
JULY	19·00				
AUG.	6·25				
SEPT.	17·50				
OCT.	18·25				
NOV.	19·25				
DEC.	22·00				
Total	148·25 ✓				

Signature F. Bainbridge

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Copy by B.R.O.

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

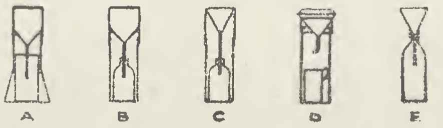
Nature of objects nearest to gauge				
Height of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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3626/1

FORM 1090.

B Monthly Summary.

⁎ The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1937

At Sty Head A mo.g. Octapent

In the County of Cumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground ....ft. ....in.*
- *Height of Ground above Sea Level ....ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	23·00				
FEB.	21·25				
MAR.	4·75 ~~24·00~~				
APRIL	9·50				
MAY	3·50				
JUNE	11·50				
JULY	10·25				
AUG.	7·15				
SEPT.	12·75				
(6·80) OCT.	(6·80) ~~4·75~~				
NOV.	4·50				
DEC.	8·00 ✓				
TOTAL	122·95 ✓				

Signature ....

*See Instruction 2 *(f)* below.

C Particulars of Station.

COPY [illegible] R.O.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

....

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

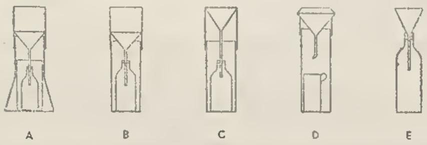
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

January. The 3 Sty Guages were frozen, so I put the ruler through the ice.

Oct. estd. by B.R.O.

D INSTRUCTIONS.

1. Rules for measuring the rainfull and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17, 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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3626/1

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1938

At Stye Head A. new g.

In the County of Cumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* *in.*
- *Height of Ground above Sea Level* 1100 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	22·50				
FEB.	8·50				
MAR.	12·75				
APRIL	2·00				
MAY	12·50				
JUNE	14·75				
JULY	25·25				
AUG.	9·25				
SEPT.	10·00				
OCT.	(34·00)				
NOV.	22·50				
DEC.	12·50				
TOTAL	186·50	✓			

Signature Frank Bainbridge

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Copy by B.R.O.

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

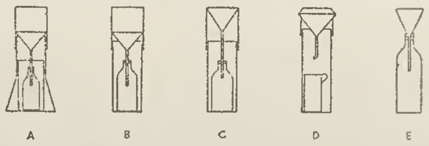
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

* Gauge overflowing

× Value estimated.

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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3626/1

FORM 109 **B** Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939.

At Stye Head A new

In the County of Cumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* *in.*
- *Height of Ground above Sea Level* 1100 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	17·00				
FEB.	22·00				
MAR.	12·25				
APRIL	~~9·00~~ (7·75)				
MAY	~~·50~~ (1·75)				
JUNE	12·50				
JULY	17·75				
AUG.	4·50				
SEPT.	6·25				
OCT.	5·50				
NOV.	28·50				
DEC.	5·50				
TOTAL	141·25 ✓				

Signature ....

✓

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Copy by B.R.O.

Hour of observation by the clock—in Winter.......................in Summer.......................

Nearest Railway Station.......................Distance.......................Direction from gauge.......................

Nearest Parish Church at.......................Distance.......................Direction from gauge.......................

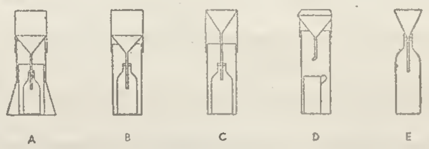
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.......................Distance.......................Direction.......................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall, please** give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

April & May adjusted for day of reading.

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005: this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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Wt. 3079/2165 25,500 12/37 W. H. & S. 668/91
S.O. Code No. 40-9999

3626/1

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1940

At Stye Head New (A)

In the County of Cumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 ft. 6 in.
- *Height of Ground above Sea Level* ~~1070~~ 1100 ft.

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	(2·90)				
FEB.	9·50				
MAR.	16·75				
APRIL	5·00				
MAY	2·50				
JUNE	1·80				
JULY	13·50				
AUG.	10·00				
SEPT.	16·00				
OCT.	16·75				
NOV.	16·25				
DEC.	19·00				
TOTAL	129·95				

Print St.

Signature F. BAINBRIDGE

145·7 : ao.

899. ✓

map

c90%.

*See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

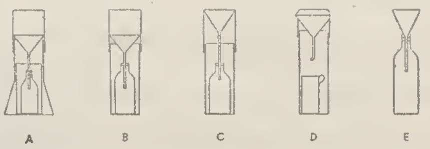
If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.

Octapent.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Copy by B.R.O.

Letter recd 17/7/40

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(*a*) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9999

FORM 1090. **B** Mont
Sum

3626/5

BORROWDALE

STOCKLEY BRIDGE

1932 - 40

780703

3626/5

Cumb/2.

** The following register of monthly
&c., is NOT required if daily or
values are given on the other side

n and also the space for

register should be sent:—

RAINFALL IN 1932

(BORROWDALE)

At Stockley Bridge

In the County of Cumberland

in Summer

Rain Gauge
Diameter of Funnel 5
Height of Top above Ground 1 *ft.* 0 *in.*
Height of Ground above Sea Level 686 *ft.*

Direction from gauge
Direction from gauge

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	(30·00)				
FEB.	·00				
MAR.	9·75				
APRIL	11·75				
MAY	8·00				
JUNE	5·50				
JULY	11·50				
AUG.	(7·25)* ~~10·75~~	~~6·75~~	7·25		
SEPT.	(17·75) ~~14·25~~	~~13·25~~	17·75		
OCT.	21·50				
NOV.	10·50				
DEC.	27·50				
Total	(161·00)				

Signature T. Bainbridge Copy for M.O.

*See Instruction 2 (*f*) below.

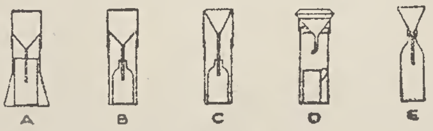
Nature of objects nearest to gauge				
Heights of objects		400		
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move Distance Direction

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

new gauge set up on new site 23·1·32.

* Including 1st September a very wet day. Aug & Sep adjusted accordingly

January estimated.

print

Est Jan.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 | 18 | } ·14 | would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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N.

3626/5

Cumb/2.

FORM 1090.

B Mon Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1932

(BORROWDALE)

At Stockley Bridge

In the County of Cumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 0 *in.*
- *Height of Ground above Sea Level* 685 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	(30·00)				
FEB.	·00				
MAR.	9·75				
APRIL	11·75				
MAY	8·00				
JUNE	5·50				
JULY	11·50				
AUG.	(7·25)* ~~10·75~~	~~4·75~~	7·25		
SEPT.	(17·75) ~~14·25~~	~~18·25~~	17·75		
OCT.	21·50				
NOV.	10·50				
DEC.	27·50				
Total	(161·00)				

Signature T Bainbridge Esq for M.O.

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

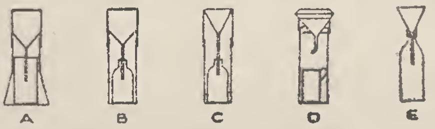
400

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

new gauge set up on new site 23·1·32.

* Including 1st September a very wet day. Aug & Sep adjusted accordingly

January estimated.

print

Est Jan.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

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(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

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(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

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(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

N

3626/5

Form 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1933.

At Stockley Bridge

In the County of Cumberland

Rain Gauge
- Diameter of Funnel .... in.
- *Height of Top above Ground* .... *ft* .... *in.*
- *Height of Ground above Sea Level* .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
Jan.	16·75				
Feb.		(17·75)			
Mar.	~~27·50~~	(9·75)			
April	5·50				
May	4·75				
June	4·50				
July	10·50				
Aug.	7·50				
Sept.	2·25				
Oct.	9·25				
Nov.	3·25				
Dec.	4·25				
Total	96·00 /				

Signature J. Bainbridge

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

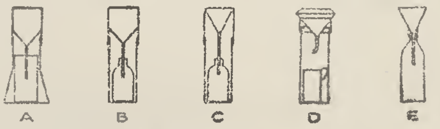
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

400

Feb & March allocated by surrounding stns.

B. 30/6/34

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{r}17\\18\end{array}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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M

3626/5

FORM 1090. **B** Monthly Summary.

⁎ The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1934

At Stockley Bridge

In the County of Cumberland

Rain Gauge
- Diameter of Funnel .... in.
- *Height of Top above Ground* ...... *ft* ...... *in*.
- *Height of Ground above Sea Level* .... *ft*.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	22·25				
FEB.	3·00				
MAR.	8·00				
APRIL	6·75				
MAY	12·00				
JUNE	6·50				
JULY	4·25				
AUG.	17·75				
SEPT.	17·75				
OCT.	22·50				
NOV.	6·00				
DEC.	22·00				
Total	148·75				

Signature F. Bainbridge

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter............ in Summer............

Nearest Railway Station............ Distance............ Direction from gauge ....

Nearest Parish Church at............ Distance............ Direction from gauge ....

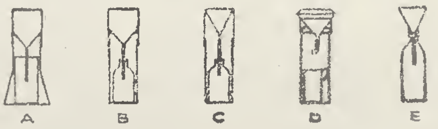
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move............ Distance............ Direction............

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

400

M

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at* 9 *a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following* 9 *a.m. on January* 1st; *it is therefore the amount measured on January 2nd.* 9 *a.m. Greenwich Mean Time is* 10 *a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as* 0·1 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{c}17\\18\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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3626/5

400

FORM 1090. **B** Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1935

At Stockley Bridge

In the County of Cumberland

Rain Gauge
Diameter of Funnel .... in.
Height of Top above Ground .... *ft* .... *in.*
Height of Ground above Sea Level .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	13·85				
FEB.	26·50				
MAR.	3·75				
APRIL	8·75				
MAY	1·00				
JUNE	9·50				
JULY	7·75				
AUG.	8·50				
SEPT.	(20·00)*				
OCT.	23·25				
NOV.	14·75				
DEC.	8·25				
Total	145·85				

Signature F. Bainbridge

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

* September. gauge had top lifted off.
total estimated

400.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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3626/5

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1936

At Stockley Bridge

In the County of Cumberland

Rain Gauge
Diameter of Funnel .... in.
Height of Top above Ground .... *ft* .... *in*.
Height of Ground above Sea Level .... *ft*.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	16·25				
FEB.	6·25				
MAR.	9·50				
APRIL	2·50				
MAY	2·00				
JUNE	8·00				
JULY	(16·00)*	estimated	Shw.		
AUG.	5·50				
SEPT.	15·00				
OCT.	15·75				
NOV.	17·75				
DEC.	22·00				
Total	136·50				

Signature F. Bainbridge

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Copy by R.O.O.

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

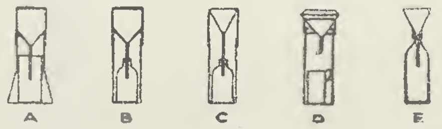
Nature of objects nearest to gauge				
Height of objects				
Distances				
Directions from gauge				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

* July. gauge tampered with

Estimate value for July at end of year.

400

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.* *9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{c}17\\18\end{array}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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3626/5

FORM 1090.

B Monthly Summary.

Copy by B.R.O.

C Particulars of Station.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1937.

At Borrowdale, Stockley Bridge

In the County of Cumberland

Rain Gauge
Diameter of Funnel.......................in.
Height of Top above Ground.........ft.............in.
Height of Ground above Sea Level..................ft.

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	22·75				
FEB.	20·25				
MAR.	4·25				
APRIL	8·75				
MAY	3·00				
JUNE	10·75				
JULY	8·50				
AUG.	6·75				
SEPT.	12·00				
OCT.	6·75				
NOV.	4·25				
DEC.	8·25 ✓				
TOTAL	116·25 ✓				

Signature ....

400

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—
....
....

Hour of observation by the clock—in Winter........................in Summer....................

Nearest Railway Station.................................... Distance..................Direction from gauge............

Nearest Parish Church at.................................... Distance..................Direction from gauge............

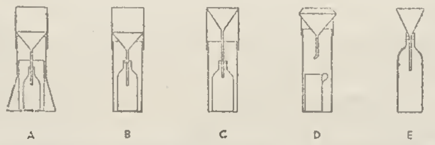
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfull and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

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(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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Wt.3430/1699 15,000 2/35 W. H. & S. 668/91.

3626/5

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1938

At Borrowdale, Stockley Bridge.

In the County of Cumberland.

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* *in.*
Height of Ground above Sea Level 585 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	22·00				
FEB.	4·75				
MAR.	11·50				
APRIL	1·75	18·00			
MAY	12·00				
JUNE	14·25				
JULY	24·25				
AUG.	8·75				
SEPT.	8·00				
OCT.	30·00				
NOV.	21·25				
DEC.	11·50				
TOTAL	170·00 ✓				

Signature Frank Bainbridge

* See Instruction 3 (*f*) below.

C Particulars of Station.

Copy by B.R.O.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter............in Summer............

Nearest Railway Station............ Distance............ Direction from gauge............

Nearest Parish Church at............ Distance............ Direction from gauge............

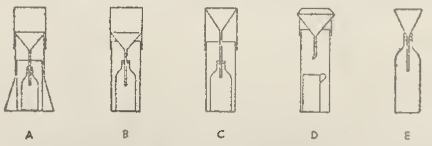
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move............ Distance............ Direction............

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

400

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
- (A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
- (B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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3626/5.

FORM 109 **B** Monthly Summary. **C** Particulars of Station.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939.

At Borrowdale, Stockley Bridge

In the County of Cumberland

Rain Gauge { Diameter of Funnel 5 in.
Height of Top above Ground 1 ft. in.
Height of Ground above Sea Level 585 ft.

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
JAN.	16·00				
FEB.	22·00				
MAR.	11·00				
APRIL	(6·75) ~~8·00~~				
MAY	(1·90) ~~·65~~				
JUNE	12·50				
JULY	16·75				
AUG.	4·00				
SEPT.	5·75				
OCT.	5·00				
NOV.	27·00				
DEC.	5·25				
TOTAL	133·90 ✓				

Signature ....

* See Instruction 3 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Copy by B.R.O.

Hour of observation by the clock—in Winter................in Summer................

Nearest Railway Station................ Distance................ Direction from gauge................

Nearest Parish Church at................ Distance................ Direction from gauge................

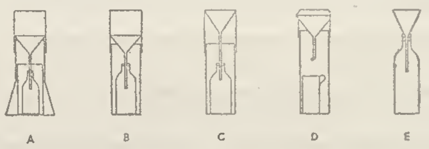
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move................ Distance................ Direction................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

April & May adjusted for day of reading.

400

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(*a*) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005: this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17, 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9999

3626/5

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1940

At Borrowdale (Stockley Bridge)

In the County of Cumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 0 *in.*
- *Height of Ground above Sea Level* 586 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	(2·90)				
FEB.	8·00				
MAR.	16·25				
APRIL	5·50				
MAY	(2·10)				
JUNE	1·80				
JULY	13·25				
AUG.	8·25				
SEPT.	13·75				
OCT.	16·00				
NOV.	14·75				
DEC.	17·25				
TOTAL	(119·80) ✓				

Signature F. BAINBRIDGE ESQ.

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Hour of observation by the clock—in Winter.......................in Summer...................

Nearest Railway Station.............................. Distance................ Direction from gauge...........

Nearest Parish Church at.............................. Distance................ Direction from gauge...........

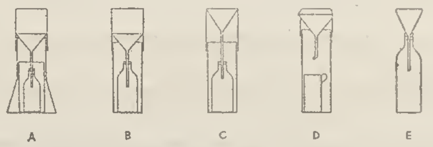
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Copy by B.R.O.

400

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each **month** should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9

338 3627

FORM 1090. **B** Mo Su

3627

SEATHWAITE

1931-32

⁎ The following register of month &c., is NOT required if daily values are given on the other si …tion and also the space for

…his register should be sent:—

RAINFALL IN 1931.

At Seathwaite

In the County of Cumberl

…in Summer…

…ance… Direction from gauge …

…ance… Direction from gauge …

780703

Rain Gauge
- Diameter of Funnel… 4
- *Height of Top above Ground*…*ft*…*in.*
- *Height of Ground above Sea Level*…*ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	11.25				
FEB.	13.75				
MAR.	1.60				
APRIL	5.90				
MAY	6.95				
JUNE	11.75				
JULY	15.90				
AUG.	7.20				
SEPT.	7.95				
OCT.	9.75				
NOV.	22.76				
DEC.	13.65				
Total	128·41 ? wp Lealing				

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

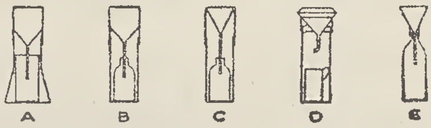
~~400~~

If gauge has been moved during the year state—

Date of move… Distance… Direction…

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

? Used in Met. Mag. Jan–Oct.

5" gauge to be used from November onwards.

Signature T. Bainbridge for MO

G. Lealing.

M

*See Instruction 2 (*f*) below.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are more "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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338

3627

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1931

At Seathwaite

In the County of Cumberland

Rain Gauge
- Diameter of Funnel 4 in.
- *Height of Top above Ground* ....*ft* ....*in*.
- *Height of Ground above Sea Level* ....*ft*.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	11·25				
FEB.	13·75				
MAR.	1·60				
APRIL	5·90				
MAY	6·95				
JUNE	11·75				
JULY	15·90				
AUG.	7·20				
SEPT.	7·95				
OCT.	9·75				
NOV.	22·76				
DEC.	13·65				
Total	128·41 ? np [illegible]				

Used in Met. Mag. Jan - Oct.

5" gauge to be used from November onwards.

Signature T. J. Bainbridge for MO

G. [illegible].

M

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

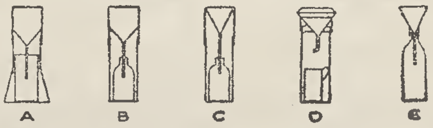
Nature of objects nearest to gauge				
Heights of objects		400		
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "**tr**" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 / 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(269) Wt.5244/391/474 14,000 6/30. Gp. 119/110.

3627

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c. is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1932

At Seathwaite

In the County of Cumberland

Rain Gauge
Diameter of Funnel 4 in.
Height of Top above Ground 0 *ft.* 9 *in.*
Height of Ground above Sea Level 422 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	18·32				
FEB.					
MAR.					
APRIL					
MAY					
JUNE					
JULY					
AUG.					
SEPT.					
OCT.					
NOV.					
DEC.					
Total					

Signature J. Bainbridge for M.O.

g. leaking & removed

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

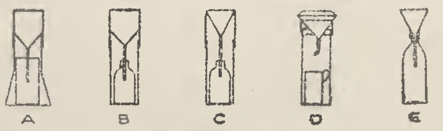
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{l}17\\18\end{array}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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FORM 1090. **B** Mon
Sum

3628/1

3628/1

SEATHWAITE
BORROWDALE NEW G.

1938 - 40

786703

, The following register of month
&c., is NOT required if daily
values are given on the other

on and also the space for

is register should be sent :—

RAINFALL IN 193

At Borrowdale, Seathwa

In the County of Cumberl

Rain Gauge
Diameter of Funnel..........................in.
Height of Top above Ground.........ft.............in.
Height of Ground above Sea Level..................ft.

........in Summer....................

Direction from
nce..................gauge............

Direction from
ance..................gauge............

Nearest Parish Church

Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	18·00				
FEB.	6·50				
MAR.	10·25				
APRIL	1·75				
MAY	11·50				
JUNE	13·25				
JULY	20·00				
AUG.	8·50				
SEPT.	7·25				
OCT.	28·00				
NOV.	19·50				
DEC.	10·00				
TOTAL	154·50	wp	check gauge GB	10/4/39	

Signature ...F. Bainbridge......

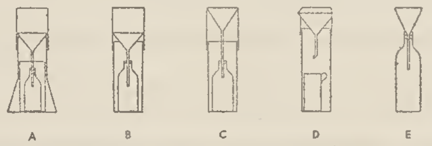
* See Instruction 3 *(f)* below.

If gauge has been moved during the year state—

Date of move.. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

× See memo in file. 820297/28

Copy by B.R.O.

N

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
  (A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
  (B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{c|}17\\18\end{array}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9999

3628/1

FORM 1090. **B** Monthly Summary. **C** Particulars of Station.

, The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1938.

New Gauge

At Borrowdale, Seathwaite Garden.

In the County of Cumberland

Rain Gauge
- Diameter of Funnel........................in.
- *Height of Top above Ground.........ft.............in.*
- *Height of Ground above Sea Level..................ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	18.00				
FEB.	6.50				
MAR.	10.25				
APRIL	1.75				
MAY	11.50				
JUNE	13.25				
JULY	20.00				
AUG.	8.50				
SEPT.	7.25				
OCT.	28.00				
NOV.	19.50				
DEC.	10.00				
TOTAL	154.50	wp	GB	10/4/39	

check gauge

Signature F. Bainbridge

* See Instruction 3 *(f)* below.

N

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

Hour of observation by the clock—in Winter.......................in Summer..................

Nearest Railway Station.............................. Distance.................Direction from gauge............

Nearest Parish Church at.............................. Distance.................Direction from gauge............

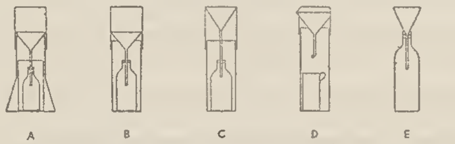
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

× See memo in file. 820297/28

Copy by B.R.O.

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9999

BORROWDALE (SEATHWAITE)

3628/1

FORM 1090.

B Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939.

new Gauge

At Borrowdale, Seathwaite Garden

In the County of Cumberland

Rain Gauge
Diameter of Funnel........................in.
Height of Top above Ground.........ft...........in.
Height of Ground above Sea Level..................ft.

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	15·50				
FEB.	19·75				
MAR.	10·75				
APRIL	(6·25) ~~7·00~~				
MAY	1·25 ~~·50~~				
JUNE	11·75				
JULY	13·50				
AUG.	4·75				
SEPT.	5·00				
OCT.	4·50				
NOV.	23·50				
DEC.	5·00				
TOTAL	121·50				

Signature F. Bainbridge

Mr. F. BAINBRIDGE.

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter.......................in Summer....................

Nearest Railway Station.............................. Distance.................Direction from gauge............

Nearest Parish Church at.............................. Distance.................Direction from gauge............

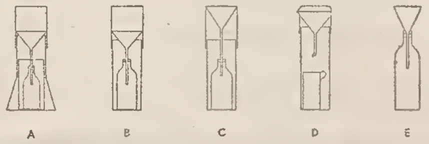
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B.**)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

April + May adjusted for day of reading.

Copy by B.R.O.

my check 1938

820297/38

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

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(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
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(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this* ·005 *mark or between this* ·005 *and the* ·01 *mark are to be entered as* ·01 *even though they may be nearer to the* ·005 *mark than the* ·01 *mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 }·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9999

3628/1

FORM 1090. **B** Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 19~~3~~40.

At Borrowdale (Seathwaite Gdns)

In the County of Cumberland.

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 60 *in.*
- *Height of Ground above Sea Level* 423 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	(2·85)				
FEB.	8·75				
MAR.	15·75				
APRIL	4·75				
MAY	1·75				
JUNE	1.75 ~~0·00~~				
JULY	11·50				
AUG.	7·75				
SEPT.	(13·50)				
OCT.	14·5				
NOV.	14·25				
DEC.	15·00				
TOTAL	(99·05)				

Signature F. BAINBRIDGE, ESQ.

Sept. (13·50) estimated from nearby stations & map.
Jan. " " " "

* See Instruction 3 (*f*) below.

C COPY [illegible] Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

~~Hour of observation~~ new by the clock—in Winter.................in Summer.................

Nearest ~~Railway~~ Station.................... Distance.............. Direction from gauge..............

Nearest Parish Church at.................... Distance.............. Direction from gauge..............

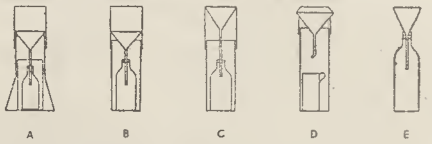
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.................... Distance.............. Direction..............

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TJL.

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
- (A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
- (B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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3628/1

FORM 1090.

B Monthly Summary.

. The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1940

At ~~Borrowdale (Stockley Bridge)~~ (Seathwaite) ([illegible]) garden

In the County of Cumberland. 2. [illegible]

Rain Gauge
- Diameter of Funnel........................in.
- *Height of Top above Ground.........ft.............in.*
- *Height of Ground above Sea Level..................ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	(2·85)				
FEB.	8·75				
MAR.	15·75				
APRIL	4·75				
MAY	1·75				
JUNE	1·75				
JULY	11·50				
AUG.	7·75				
SEPT.	(13·50)				
OCT.	14·50				
NOV.	14·25				
DEC.	15·00				
TOTAL	(112·10)				

Print.
E.H.R.

Signature ....

Sept. gauge had been tampered with.

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

....

Hour of observation by the clock—in Winter........................in Summer..................

Nearest Railway Station.................................... Distance.................. Direction from gauge............

Nearest Parish Church at.................................... Distance.................. Direction from gauge............

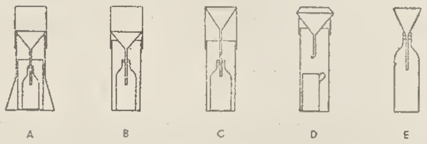
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.................................... Distance.................. Direction..............

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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FORM 1090. **B** M
S

l.

3628

3628

OLD GAUGE
SEATHWAITE MET MAG
GDNS

1931-39

780703

*** The following register of mont
&c., is NOT required if daily
values are given on the other

ction and also the space for

this register should be sent:—

in Summer

RAINFALL IN 193

At Seathwaite

In the County of Cumberl

istance Direction from gauge

istance Direction from gauge

Rain Gauge
Diameter of Funnel 5" Garden in.
Height of Top above Ground ft in.
Height of Ground above Sea Level ft.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	12·50				
FEB.	14·05				
MAR.	1·75				
APRIL	6·10				
MAY	7·15				
JUNE	12·06				
JULY	16·25				
AUG.	7·50				
SEPT.	8·50				
OCT.	10·30				
NOV.	23·10	met. mag			
DEC.	14·50	met. mag			
Total	133·76				

Signature J Bainbridge for MO

M

*See Instruction 2 (*f*) below.

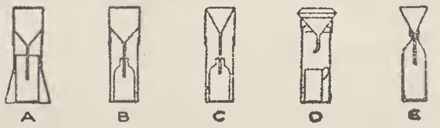
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move Distance Direction

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Used in Met. Mag. from November.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(269) Wt.5244/391/474 14,000 6/30. Gp. 119/110.

3628

FORM 1090.

B Monthly Summary.

C Particulars

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1931

At Seathwaite

In the County of Cumberland

Rain Gauge
Diameter of Funnel 5" Garden in.
Height of Top above Ground .... *ft* .... *in*.
Height of Ground above Sea Level .... *ft*.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	12·50				
FEB.	14·05				
MAR.	1·75				
APRIL	6·10				
MAY	7·15				
JUNE	12·06				
JULY	16·25				
AUG.	7·50				
SEPT.	8·50				
OCT.	10·30				
NOV.	23·10	met. mag			
DEC.	14·50	met. mag			
Total	133·76				

Signature J. Bainbridge / 170

M

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

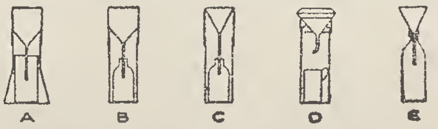
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Used in Met. Mag. from November.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

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(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

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3628

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c. is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1932

met. mag.

At Seathwaite

In the County of Cumberland

Rain Gauge
- Diameter of Funnel 5 garden in.
- *Height of Top above Ground* .... *ft* .... *in.*
- *Height of Ground above Sea Level* .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	22·74				
FEB.	·00				
MAR.	9·90				
APRIL	11·25				
MAY	7·50				
JUNE	5·25				
JULY	10·50				
AUG.	(7·25)* ~~9·75~~	7·25			
SEPT.	(17·00) ~~14·50~~	17·00			
OCT.	19·00				
NOV.	10·00				
DEC.	27·25				
Total	147·64				

Signature J. Bainbridge

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

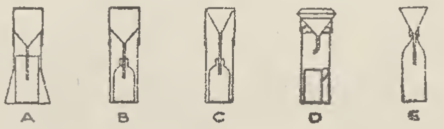
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

* Including 1st September a very wet day.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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3628

FORM 1090. **B** Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1933.

(met: mag.)

At Seathwaite

In the County of Cumberland

Rain Gauge
Diameter of Funnel 5" garden in.
Height of Top above Ground .... *ft* .... *in.*
Height of Ground above Sea Level .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	16.50				
FEB.	gauge under snow	(15.75)			
MAR.	~~24.25~~	(8.50)			
APRIL	5.00	✓			
MAY	4.50	✓			
JUNE	4.00	✓			
JULY	10.00				
AUG.	7.00	✓			
SEPT.	2.00	✓			
OCT.	9.00	✓			
NOV.	3.00	✓			
DEC.	4.00	✓			
Total	89.25	✓			

Signature J. Bainbridge

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

24

Feb & March allocated –

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.* 9 *a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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M

3628

FORM 1090.

B Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1934

At Seathwaite (Met: Mag.)

In the County of Cumberland

Rain Gauge

Diameter of Funnel 5" garden in.

Height of Top above Ground ...... *ft* ...... *in*.

Height of Ground above Sea Level ...... *ft*.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	20.50				
FEB.	2.50				
MAR.	7.75				
APRIL	6.50				
MAY	11.75				
JUNE	6.00				
JULY	4.00				
AUG.	15.00				
SEPT.	16.25				
OCT.	21.00				
NOV.	5.00				
DEC.	21.50				
Total	137.75 ✓				

Signature J. Bainbridge

*See Instruction 2. (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter ...... in Summer ......

Nearest Railway Station ...... Distance ...... Direction from gauge ......

Nearest Parish Church at ...... Distance ...... Direction from gauge ......

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move ...... Distance ...... Direction ......

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

24

M

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as* 0·1 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(506) Wt.24107/1845 15000 3/33. Gp. 119/110.

Ec 72 3628

FORM 1090. **B** Monthly Summary.

, **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1935

At Seathwaite (Met. Mag.)

In the County of Cumberland

Rain Gauge
Diameter of Funnel 5" garden in.
Height of Top above Ground ...... *ft* ...... *in.*
Height of Ground above Sea Level ...... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	13·00				
FEB.	(25·50)* +				
MAR.	(3·50) +				
APRIL	8·25				
MAY	1·25				
JUNE	9·00				
JULY	7·25				
AUG.	8·50				
SEPT.	18·00				
OCT.	24·50				
NOV.	14·50				
DEC.	8·00				
Total	(141·25)				

Signature F. Bainbridge

*See Instruction 2 (*f*) below.

C **Particulars of Station.**

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter ...... in Summer ......

Nearest Railway Station ...... Distance ...... Direction from gauge ......

Nearest Parish Church at ...... Distance ...... Direction from gauge ......

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move ...... Distance ...... Direction ......

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

February. gauge out for repair. 24
Mar. " " "

+ estimated from Field gauge TL

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* 0·1 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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3628

FORM 1090. **B** Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1936

At Seathwaite (Met: Mag.)

In the County of Cumberland

Rain Gauge
- Diameter of Funnel 5" garden in.
- *Height of Top above Ground* .... *ft* .... *in.*
- *Height of Ground above Sea Level* .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	16·00				
FEB.	6·50				
MAR.	8·75				
APRIL	2·60				
MAY	2·00				
JUNE	(8·00)	estimated		SSM.	
JULY	15·50				
AUG.	5·00				
SEPT.	12·00				
OCT.	15·50				
NOV.	17·00				
DEC.	19·25				
Total	128·10				

Signature F. Bainbridge

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Copy by B.R.O.

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Height of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B.**)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Ext.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\ \cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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FORM 1090.

B Monthly Summary.

. The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1937

Met. Mag. Stn.

At Borrowdale, Seathwaite

In the County of Cumberland (garden)

Rain Gauge { Diameter of Funnel 5 in.
Height of Top above Ground........ft............in.
Height of Ground above Sea Level...............ft.

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	22·00				
FEB.	14·00				
Tampered with MAR.	(5·00)				
APRIL	7·75				
MAY	(3·10)	estimated.			
JUNE	8·75				
JULY	7·75				
AUG.	6·00				
SEPT.	11·00				
OCT.	6·00				
NOV.	4·50				
DEC.	8·15				
TOTAL	109·00	✓			

Signature ....

*See Instruction 2 *(f)* below.

Copy by B.R.O. C Particulars of Station,

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

....

Hour of observation by the clock—in Winter......................in Summer......................

Nearest Railway Station.............................. Distance.................. Direction from gauge............

Nearest Parish Church at.............................. Distance.................. Direction from gauge............

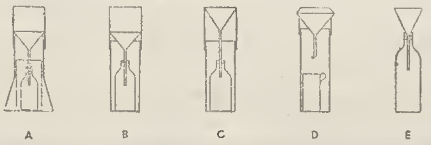
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.............................. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

- (a) It is known that the gauge was empty at the beginning of the measured rainfall?
- (b) What note was made of the times of beginning and end of this fall?
- (c) When was the measurement made?

T. L

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\begin{array}{r}17\\18\end{array}\left|\left.\right\}\cdot14\right|$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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Wt.3430/1699 15,000 2/35 W. H. & S. 668/91.

3628

FORM 1090. **B** Monthly Summary. **C** Particulars of Station.

, The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1938.

Old Gauge.

At Borrowdale Seathwaite Garden

In the County of Cumberland

Rain Gauge
- Diameter of Funnel..........................in.
- *Height of Top above Ground.........ft............in.*
- *Height of Ground above Sea Level...............ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	20·00				
FEB.	6·75				
MAR.	11·50				
APRIL	2·00				
MAY	11·75				
JUNE	13·75				
JULY	21·00				
AUG.	8·75				
SEPT.	7·50				
OCT.	29·25				
NOV.	20·50				
DEC.	10·75				
TOTAL	163·50				

10/6/39

Signature F. Bainbridge

* See Instruction 3 *(f)* below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter..................in Summer..................

Nearest Railway Station.................................. Distance.................. Direction from gauge..................

Nearest Parish Church at.................................. Distance.................. Direction from gauge..................

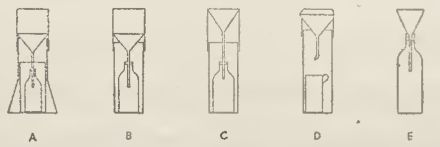
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.................................. Distance.................. Direction..................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Copy by B.R.O.

T L.

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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FORM 10

B Monthly Summary.

C Particulars of Station.

3628

, The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Copy by B.R.O.

RAINFALL IN 1939

Old Gauge

At Borrowdale, Seathwaite Gates

In the County of Cumberland Gates

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 6 *in.*
- *Height of Ground above Sea Level* 423 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	16·25				
FEB.	21·00				
MAR.	11·50				
APRIL	(6·50) ~~7·50~~				
MAY	(1·50) ~~·50~~				
JUNE	12·00				
JULY	14·00				
AUG.	4·00				
SEPT.	4·50				
OCT.	4·75				
NOV.	25·00				
DEC.	5·00				
TOTAL	126.00 ✓				

Signature T. L

* See Instruction 3 *(f)* below.

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

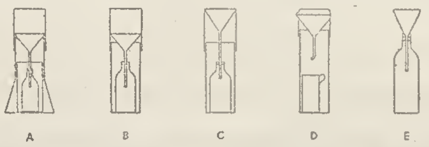
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

April & May adjusted for day of reading.

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17, 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9999

3629

3629

SEATHWAITE FIELD

1931 - 35

780703

FORM 1090. **B** Mon
Sun

*** The following register of monthl
&c., is NOT required if daily or
values are given on the other sid

on and also the space for
is register should be sent:—

RAINFALL IN 1931

At Seathwaite Field

In the County of Cumberlan

in Summer

nce Direction from gauge

nce Direction from gauge

Rain Gauge
Diameter of Funnel
Height of Top above Ground ft in.
Height of Ground above Sea Level ft.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with ·01 in or more	Number of Days with ·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	Gauge	Burst			
FEB.		"			
MAR.		"			
APRIL		"			
MAY		"			
JUNE	Gauge	mended			
JULY	15·80				
AUG.	7·15				
SEPT.	7·50				
OCT.	10·10				
NOV.	22·80				
DEC.	14·20				
Total					

Signature T. Bainbridge for MO

*See Instruction 2 (*f*) below.

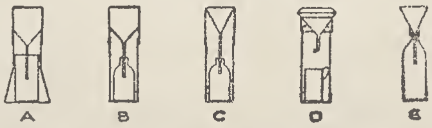
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move Distance Direction

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Jan. Gauge burst.
June .. mended.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

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3629

FORM 1090.

B Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1931

At Seathwaite Field

In the County of Cumberland

Rain Gauge { Diameter of Funnel.................in.

Height of Top above Ground..........ft..........in.

Height of Ground above Sea Level..........ft.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	Gauge	burst			
FEB.		"			
MAR.		"			
APRIL		"			
MAY		"			
JUNE	Gauge	mended			
JULY	15·80				
AUG.	7·15				
SEPT.	7·50				
OCT.	10·10				
NOV.	22·80				
DEC.	14·20				
Total					

Signature T Bainbridge for MO

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter..........in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Jan. Gauge burst.
June .. mended.

D INSTRUCTIONS.

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(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(269) Wt.5244/391/474 14,000 6/30. Gp. 119/110.

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c. is NOT required *if* daily or weekly values are given on the other side.

RAINFALL IN 1932

BORROWDALE.
At (Seathwaite), Field
In the County of Cumberland

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 0 *in.*
Height of Ground above Sea Level 423 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	18·51				
FEB.	·00				
MAR.	9·19				
APRIL	10·50				
MAY	7·25				
JUNE	5·00				
JULY	9·25				
AUG.	(~~9~~7·25)	* 7·25			
SEPT.	(16·25)	16·25			
OCT.	18·75				
NOV.	9·75				
DEC.	27·25				
Total	138 95	Part ?			

Signature ~~T. Baintridge Esq for M.O.~~ X
X Mrs C. Marshall X ?.

*See Instruction 2 (*f*) below.

1931 ~~imp~~

3629

Cumb/7.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter ..... in Summer .....

Nearest Railway Station ..... Distance ..... Direction from gauge .....

Nearest Parish Church at ..... Distance ..... Direction from gauge .....

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move ..... Distance ..... Direction .....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

* Including 1st September a very wet day.

Av: 125·3.

O.K. print

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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3629

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.*

RAINFALL IN 1933

At Seathwaite, Field

In the County of Cumberland

Rain Gauge
Diameter of Funnel.......in.
Height of Top above Ground ....*ft*.......*in*.
Height of Ground above Sea Level.......*ft*.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	16·00	✓			
FEB.	Gauge under snow	(15·50)			
MAR.	~~23·75~~	(8·25)			
APRIL	5·00	✓			
MAY	4·50	✓			
JUNE	4·00	✓			
JULY	10·00	✓			
AUG.	7·00	✓			
SEPT.	2·00	✓			
OCT.	9·00	✓			
NOV.	3·00	✓			
DEC.	4·00	✓			
Total	88·25	✓			

Signature J Bainbridge

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter.......in Summer.......

Nearest Railway Station....... Distance....... Direction from gauge.......

Nearest Parish Church at....... Distance....... Direction from gauge.......

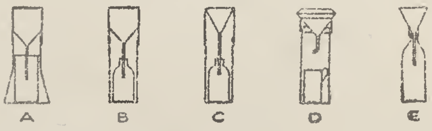
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move....... Distance....... Direction.......

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Feb+March allocated.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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D M

3629

FORM 1090. **B** **Monthly Summary.**

*** **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1934

At Seathwaite, Field

In the County of Cumberland

Rain Gauge
Diameter of Funnel..........in.
Height of Top above Ground..........ft..........in.
Height of Ground above Sea Level..........ft.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	20·75				
FEB.	2·60				
MAR.	7·80				
APRIL	6·50				
MAY	11·80				
JUNE	6·25				
JULY	4·00				
AUG.	15·25				
SEPT.	17·00				
OCT.	21·50				
NOV.	5·25				
DEC.	(21.50)	Gauge overflowing. Value interpolated by surrounding stations.			
Total	(140·20)				

Signature J. Bainbridge

*See Instruction 2 (*f*) below.

M

C **Particulars of Station.**

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter..........in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

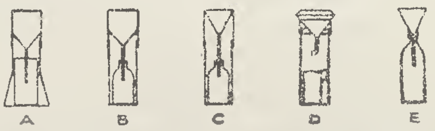
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(506) Wt.24107/1845 15000 3/33. Gp. 119/110.

3629

FORM 1090. **B** **Monthly Summary.**

C ~~Particulars of Station.~~

*** **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1935

At Seathwaite, Field

In the County of Cumberland

Rain Gauge

Diameter of Funnel .... in.

Height of Top above Ground .... *ft* .... *in.*

Height of Ground above Sea Level .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	13.25				
FEB.	25.50				
MAR.	3.50				
APRIL	8.50				
MAY	(1.25)+	tampered with			
JUNE	9.00				
JULY	7.50				
AUG.	8.75				
SEPT.	18.25				
OCT.	(25.00)+				
NOV.	(15.00)+				
DEC.	(8.00)+				
Total	(143.50)				

Signature F. Bainbridge

Miss Marshall

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

nr. in
view of estimates
but prob. values
~10% too low

[illegible] from ground gauge
note on card, [illegible] gauge needed

May, Oct–Nov estimated

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

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(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

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(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(506) Wt.24107/1845 15000 3/33. Gp. 119/110.

(3629/5)

FORM 1090. **B** Mon
Sun

*** The following register of month
&c., is NOT required if daily o
values are given on the other si

Thirlmere

RAINFALL IN 1932

HELVELLYN

At (Hill Top Gi

In the County of Cumber

Rain Gauge
Diameter of Funnel
Height of Top above Ground 1 *ft.* 0 *in.*
Height of Ground above Sea Level 1050 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.					
FEB.					
MAR.					
APRIL					
MAY					
JUNE					
JULY	11·07				
AUG.	1·42				
SEPT.	11·37				
OCT.	17·11				
NOV.	9·16				
DEC.	19·51				
Total	[illegible]				

Signature Manchester Corpt, W.W

*See Instruction 2 (*f*) below.

3629/5

HELVELLYN
HILLTOP GILL

1932 - 40

780703

on and also the space for

is register should be sent:—

O.

in Summer

ance ... Direction from gauge

ance ... Direction from gauge

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move ... Distance ... Direction ...

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(3629/5)
Cumb/2

FORM 1090.

B Mo
Summary.

C Particulars of Station.

*** **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

Thirlmere
RAINFALL IN 1932
HELVELLYN

At (Hill Top Gill)
In the County of Cumberland.

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft* 0 *in.*
Height of Ground above Sea Level 1050 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.					
FEB.					
MAR.					
APRIL					
MAY					
JUNE					
JULY	11·07				
AUG.	1·42				
SEPT.	11·37				
OCT.	17·11				
NOV.	9·16				
DEC.	19·51				
Total					

Signature Manchester Corp't, W.W

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Copy by B.R.O.

Hour of observation by the clock—in Winter .... in Summer ....
Nearest Railway Station .... Distance .... Direction from gauge ....
Nearest Parish Church at .... Distance .... Direction from gauge ....

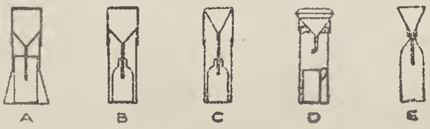
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

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(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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N

3629/5

Cumb/2

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1933

At Helvellyn (Hill Top Gill)

In the County of Cumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft* 0 *in*
- *Height of Ground above Sea Level* 1050 *ft*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	12·20				
FEB.	10·31				
MAR.	8·15				
APRIL	3·61				
MAY	4·62				
JUNE	4·32				
JULY	8·64				
AUG.	6·85				
SEPT.	1·81				
OCT.	9·17				
NOV.	4·09				
DEC.	1·94				
Total	75·71				

Signature Manchester Corpn. W.W.

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

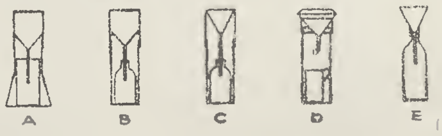
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Printed

c. [illegible] 1932

[illegible]

Copy by B.R.O.

OK print

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

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(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(506) Wt.24107/1845 15000 3/33. Gp. 119/110.

FORM 1090.

B Monthly Summary.

C Particulars of Station.

3629/5

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1934

At Helvellyn. (Hell Top Gill)

In the County of Cumberland.

Rain Gauge
Diameter of Funnel..........in.
Height of Top above Ground..........*ft*..........*in*.
Height of Ground above Sea Level..........*ft*.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	18·91				
FEB.	1·03				
MAR.	7·55				
APRIL	6·32				
MAY	7·31				
JUNE	3·99				
JULY	3·20				
AUG.	10·62				
SEPT.	15·17				
OCT.	17·65				
NOV.	3·14				
DEC.	19·01				
Total	113·90				

Signature..........

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter.......... in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

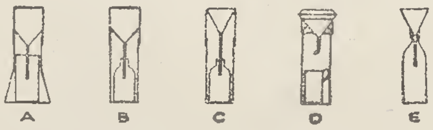
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in British Rainfall, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Copied from Manchester Corpn. Sheet

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

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(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

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(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

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(457) Wt.9673/738 16000 8/32. Gp. 119/110.

3629/5

FORM 1090.

B Monthly Summary.

⁎ The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1935.

At Hill Top Gill

In the County of Cumberland

Rain Gauge
- Diameter of Funnel..........in.
- *Height of Top above Ground*.........*ft*..........*in.*
- *Height of Ground above Sea Level*..........*ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	5·15				
FEB.	19·64				
MAR.	2·89				
APRIL	7·70				
MAY	·95				
JUNE	11·03				
JULY	4·94				
AUG.	5·12				
SEPT.	17·15				
OCT.	20·03				
NOV.	9·82				
DEC.	8·39				
TOTAL	112·81				

Signature Copied from Manchester Corporation Returns.

*See Instruction 2 *(f)* below.

C Particulars of Station,

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter..........in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state –

Date of move.......... Distance.......... Direction..........

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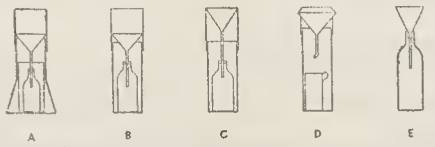

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....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

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(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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Wt.3430/1699 15,000 2/35 W. H. & S. 668/91.

3629/5.

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1936

At Helvellyn (Hill Top Gill.)

In the County of ~~Cheshire~~ Cumberland.

Rain Gauge
- Diameter of Funnel 5. in.
- *Height of Top above Ground* 1 *ft.* 0. *in.*
- *Height of Ground above Sea Level* 1050. *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
JAN.	12·76				
FEB.	4·27				
MAR.	6·57				
APRIL	1·64				
MAY	1·96				
JUNE	7·18				
JULY	10·09				
AUG.	5·76				
SEPT.	12·73				
OCT.	12·49				
NOV.	11·18				
DEC.	18·02				
TOTAL	104·65				

Signature Manchester Corpn W. W.

*See Instruction 2 *(f)* below.

C Particulars of Station,

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Copy by B.R.O.

Hour of observation by the clock—in Winter.................in Summer.................

Nearest Railway Station................ Distance................ Direction from gauge................

Nearest Parish Church at................ Distance................ Direction from gauge................

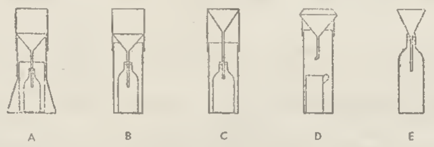
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move................ Distance................ Direction................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

- (a) It is known that the gauge was empty at the beginning of the measured rainfall?
- (b) What note was made of the times of beginning and end of this fall?
- (c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfull and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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Wt.3430/1699 15,000 2/35 W. H. & S. 668/91.

3629/5

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1937

At Mill Top Gill

In the County of Cumberland

Rain Gauge
- Diameter of Funnel..........................in.
- *Height of Top above Ground.........ft.............in.*
- *Height of Ground above Sea Level.................ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	15·60				
FEB.	10·80				
MAR.	4·80				
APRIL	5·86				
MAY	3·28				
JUNE	5·43				
JULY	5·39				
AUG.	5·60				
SEPT.	9·47				
OCT.	5·48				
NOV.	2·73				
DEC.	6·79 ✓				
TOTAL	81·23 ✓	✓			

Signature ....

* See Instruction 3 *(f)* below.

C Particulars of Station.

Copy by B.R.O.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

....

Hour of observation by the clock—in Winter........................in Summer....................

Nearest Railway Station.................................. Distance.................. Direction from gauge............

Nearest Parish Church at.................................. Distance.................. Direction from gauge............

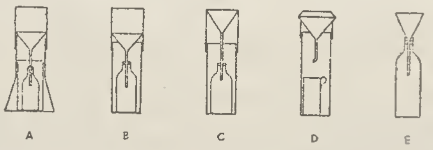
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{l}17\\18\end{array}\right\}$ ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9999

FORM 1090.

B Monthly Summary.

3629/5

* The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1938

At Hill Top Gill

In the County of Cumberland

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* *in.*
Height of Ground above Sea Level 1050 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	15·79				
FEB.	6·28				
MAR.	7·46				
APRIL	1·23				
MAY	8·51				
JUNE	14·37				
JULY	13·57				
AUG.	6·19				
SEPT.	7·48				
OCT.	24·05				
NOV.	17·33				
DEC.	7·32				
TOTAL	129·58 ✓				

Signature ....

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Copy by B.R.O.

Name and Address to which any inquiry relating to this register should be sent :—

Hour of observation by the clock—in Winter..................in Summer..................

Nearest Railway Station.................. Distance.................. Direction from gauge..................

Nearest Parish Church at.................. Distance.................. Direction from gauge..................

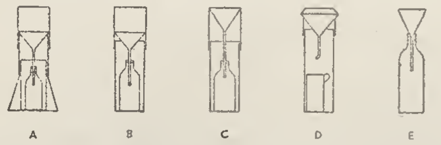
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.................. Distance.................. Direction..................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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3629/5

FORM 1090.

B Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939

At Hill Top Gell

In the County of Cumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 0 *in.*
- *Height of Ground above Sea Level* 1050 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	16·27				
FEB.	15·51				
MAR.	7·55				
APRIL	4·43				
MAY	1·68				
JUNE	7·12				
JULY	12·51				
AUG.	3·39				
SEPT.	2·11				
OCT.	3·96				
NOV.	18·27				
DEC.	6·45				
TOTAL	99·25	✓			

Signature Per Manchester W.W.

* See Instruction 3 *(f)* below.

C Particulars of Station.

Copy by B.R.O.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

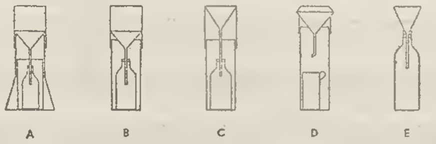
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

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(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

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(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

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S.O. Code No. 40-9999

FORM 1090. **B** Monthly Summary. **C** Particulars of Station. 3629/5

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 19~~3~~40

At Hill Top Gill

In the County of Cumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 0 *in.*
- *Height of Ground above Sea Level* 1050 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	1·86				
FEB.	3·86				
MAR.	11·79				
APRIL	5·01				
MAY	2·10				
JUNE	1·36				
JULY	8·17				
AUG.	4·02				
SEPT.	7·88				
OCT.	10·39				
NOV.	11·62				
DEC.	12·10				
TOTAL	80·16				

Signature Per Manchester W. W

* See Instruction 3 *(f)* below.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Hour of observation by the clock—in Winter............ in Summer............

Nearest Railway Station............ Distance............ Direction from gauge............

Nearest Parish Church at............ Distance............ Direction from gauge............

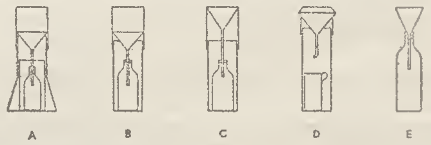
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move............ Distance............ Direction............

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Copy by B.R.O.

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

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3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9999

3630

3630. —

CUMBERLAND

ULLSCARF

1931-40

780703

FORM 1090. **B** Monthl
Summ

, The following register of monthly to
&c., is NOT required if daily or w
values are given on the other side.

and also the space for

egister should be sent:—

RAINFALL IN 1931

At Ullscarf

In the County of Cumberland

Rain Gauge

Diameter of Funnel 5

Height of Top above Ground 1 *ft.* – *in.*

Height of Ground above Sea Level 2,100 *ft.*

in Summer

Direction from gauge

Direction from gauge

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	9.2				
FEB.	10.5				
MAR.	2.3				
APRIL	4·1				
MAY	7·8				
JUNE	11·8				
JULY	12·5				
AUG.	6.8				
SEPT.	4·3				
OCT.	9·4				
NOV.	21.8				
DEC.	10.3				
Total	110.80				

Signature

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Gauge was accidentally a
turf wall ~~after [illegible] in Sept 1931~~ in December 1931

*See Instruction 2 (*f*) below.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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3630

FORM 1090. **B** Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1931

At Ullscarf

In the County of Cumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* – *in.*
- *Height of Ground above Sea Level* 2,100 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	9.2				
FEB.	10.5				
MAR.	2.3				
APRIL	4.1				
MAY	7.8				
JUNE	11.8				
JULY	12.5				
AUG.	6.8				
SEPT.	4.3				
OCT.	9.4				
NOV.	21.8				
DEC.	10.3				
Total	110.80				

Signature

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

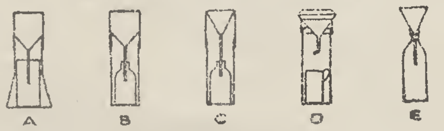
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Gauge was surrounded by a turf wall ~~after [illegible]~~ in December 1931

*See Instruction 2 (*f*) below.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

Thirlmere

RAINFALL IN 1932

At Ullscarf

In the County of Cumberland

Rain Gauge

Diameter of Funnel .... in.

Height of Top above Ground .... *ft* .... *in.*

Height of Ground above Sea Level 21,00 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	27·90				
FEB.	·33				
MAR.	7·23				
APRIL	12·35				
MAY	7·12				
JUNE	6·94				
JULY	11·79				
AUG.	1·81				
SEPT.	13·48				
OCT.	16·51				
NOV.	10·56				
DEC.	26·19				
Total	142·21				

Signature Manchester Corpn. W.W

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Copy by B.R.O.

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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3630

FORM 1090. **B** Monthly Summary.

, **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1933

At Ulscarf

In the County of Cumberland

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft* 0 *in.*
Height of Ground above Sea Level 2100 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	15.21				
FEB.	10.24				
MAR.	5.62				
APRIL	2.96				
MAY	4.07				
JUNE	4.17				
JULY	10.14				
AUG.	6.64				
SEPT.	2.06				
OCT.	8.86				
NOV.	4.75				
DEC.	1.76				
Total	76.48				

Signature Manchester Corpn. W.W.

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Copy by B.R.O.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

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(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.* 9 *a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* 0·1 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 }·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(506) Wt.24107/1845 15000 3/33. Gp. 119/110.

D

FORM 1090.

3630

B Monthly Summary.

. The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1934

At Ullscarf

In the County of Cumberland

Rain Gauge {
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft* 0 *in.*
Height of Ground above Sea Level 2,100 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	24·10				
FEB.	1·34				
MAR.	8·60				
APRIL	6·43				
MAY	10·24				
JUNE	5·22				
JULY	4·32				
AUG.	14·80				
SEPT.	16·84				
OCT.	20·43				
NOV.	4·90				
DEC.	20·62				
Total	138·23				

Signature

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

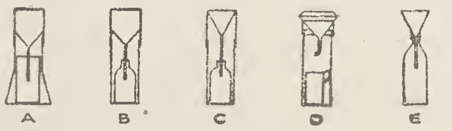
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Copied from Manchester Corpn. Sheet

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as* 0·1 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 | 18 | } ·14 | would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(457) Wt.9673/738 16000 8/32. Gp. 119/110.

3630

FORM 1090.

B Monthly Summary.

, The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1935.

At ...Ullscarf...

In the County of ...Cumberland...

Rain Gauge
- Diameter of Funnel......5......in.
- *Height of Top above Ground*......1...*ft*......0......*in.*
- *Height of Ground above Sea Level*...2100....*ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	7·20				
FEB.	25·01				
MAR.	3·34				
APRIL	9·16				
MAY	·96				
JUNE	10·79				
JULY	7·30				
AUG.	7·39				
SEPT.	21·73				
OCT.	24·97				
NOV.	10·43				
DEC.	7·93				
TOTAL	136·21				

X

Signature Copied from Manchester Corpn. returns.

*See Instruction 2 *(f)* below.

C Particulars of Station,

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

....

Hour of observation by the clock—in Winter..........in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

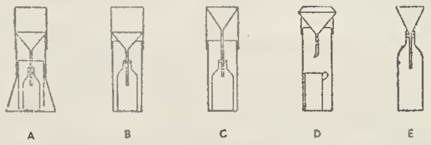
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfull and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\begin{array}{r}17\\18\end{array}\left.\begin{array}{|c|}\\\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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Wt.3430/1699 15,000 2/35 W. H. & S. 668/91.

3630.

FORM 1090.

B Monthly Summary.

, The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1936.

At ....Ullscarf.... Cumberland

In the County of ....~~Cheshire~~....

Rain Gauge
Diameter of Funnel....5....in.
Height of Top above Ground....1....*ft*....0....*in.*
Height of Ground above Sea Level....2110....*ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	13·57				
FEB.	5·00				
MAR.	10·13				
APRIL	2·52				
MAY	1·89				
JUNE	7·07				
JULY	15·03				
AUG.	7·51				
SEPT.	15·72				
OCT.	15·73				
NOV.	13·59				
DEC.	21·23				
TOTAL	128·99 ✓				

Signature ....Manchester Corpn. W. W.

*See Instruction 2 (*f*) below.

C Particulars of Station,

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

Copy by B.R.O.

Hour of observation by the clock—in Winter.................in Summer..................

Nearest Railway Station.................... Distance.................. Direction from gauge..................

Nearest Parish Church at.................... Distance.................. Direction from gauge..................

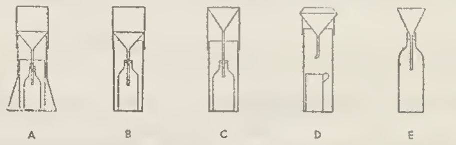
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.................... Distance.................. Direction..................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

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(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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3630

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1937

At Ullscarf

In the County of Cumberland

Rain Gauge
- Diameter of Funnel..........................in.
- *Height of Top above Ground.........ft.............in.*
- *Height of Ground above Sea Level.....................ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	17·55				
FEB.	10·84				
MAR.	7·20				
APRIL	7·38				
MAY	4·39				
JUNE	6·21				
JULY	7·12				
AUG.	6·57				
SEPT.	11·50				
OCT.	6·54				
NOV.	2·51				
DEC.	6·78	✓			
TOTAL	94·59 ✓	✓			

Signature ....

* See Instruction 3 *(f)* below.

C Particulars of Station.

Copy by R.R.O.

Every observer is requested to fill in this section and also the space for notes as far as possible.—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter........................in Summer...................

Nearest Railway Station.................................. Distance.............. Direction from gauge...............

Nearest Parish Church at.................................. Distance.............. Direction from gauge...............

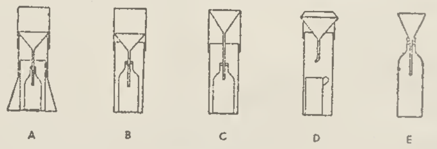
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.. Distance.............. Direction...........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

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9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

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(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

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S.O. Code No. 40-9999

3630

Form 1090.

B Monthly Summary.

C Particulars of Station.

* The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1938

At Ullscarf

In the County of Cumberland

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* *in.*
Height of Ground above Sea Level 2100 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
Jan.	18·39				
Feb.	7·62				
Mar.	9·68				
April	2·08				
May	9·76				
June	15·95				
July	17·61				
Aug.	8·14				
Sept.	7·66				
Oct.	25·91				
Nov.	17·97				
Dec.	9·90				
Total	150·67 ✓				

Signature ....

* See Instruction 3 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

....

Copy by B.R.O.

Hour of observation by the clock—in Winter.................. in Summer..................

Nearest Railway Station.................. Distance.................. Direction from gauge..................

Nearest Parish Church at.................. Distance.................. Direction from gauge..................

Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.................. Distance.................. Direction..................

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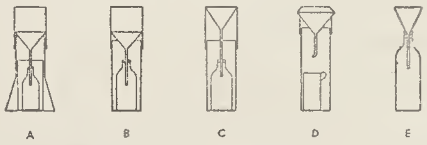

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....

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In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

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(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9999

FORM 1090.

3630

B Monthly Summary.

. The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939

At Ullscarf

In the County of Cumberland.

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 0 *in.*
- *Height of Ground above Sea Level* 2100 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	16·60				
FEB.	17·07				
MAR.	9·04				
APRIL	5·47				
MAY	2·15				
JUNE	8·69				
JULY	13·92				
AUG.	4·27				
SEPT.	3·79				
OCT.	5·75				
NOV.	19·72				
DEC.	7·78				
TOTAL	114·25				

Signature Per Manchester W.W.

* See Instruction 3 *(f)* below.

C Particulars of Station.

Copy by B.R.O.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

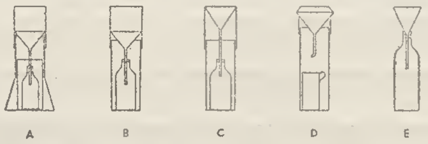
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9999

3630 ✓

FORM 1090.

B Monthly Summary.

. The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 19~~3~~40

At Ullscarf

In the County of Cumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 0 *in.*
- *Height of Ground above Sea Level* 2100 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	2·02				
FEB.	4·20				
MAR.	11·71				
APRIL	4·75				
MAY	2·61				
JUNE	1·60				
JULY	10·42				
AUG.	7·19				
SEPT.	10·46				
OCT.	10·90				
NOV.	11·67				
DEC.	13·77				
TOTAL	91·30				

Signature Per Manchester W.W.

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter............in Summer............

Nearest Railway Station............ Distance............ Direction from gauge............

Nearest Parish Church at............ Distance............ Direction from gauge............

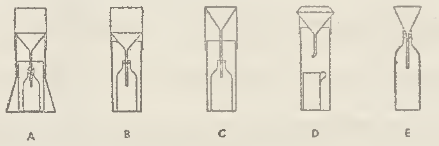
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move............ Distance............ Direction............

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Copy by B.R.O.

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9999

3630/5

3630/5

THIRMERE

RED BROW

1939-40

780703

FORM 1090.

of Station,

. The following register
&c., is NOT require
values are given on

this section and also the space for

elating to this register should be sent :—

RAINFALL

At Thirlmere (C

In the County of Cumberland

in Summer

Rain Gauge
- Diameter of Funnel .... in.
- *Height of Top above Ground .... ft. .... in.*
- *Height of Ground above Sea Level .... ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	14.70				
FEB.	14.93				
MAR.	8.12				
APRIL	4.03				
MAY	1.60				
JUNE	7.25				
JULY	13.92				
AUG.	4.06				
SEPT.	2.63				
OCT.	5.33				
NOV.	18.67				
DEC.	6.08				
TOTAL	101.32 ✓	[illegible] Cy			

Signature Manchester Corpn. W.W.

*See Instruction 2 (f) below.

N

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

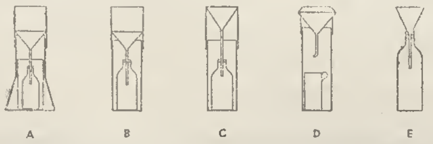
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

- (a) It is known that the gauge was empty at the beginning of the measured rainfall?
- (b) What note was made of the times of beginning and end of this fall?
- (c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfull and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

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(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

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3630/5

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939

At Thirlmere (Red Brow)

In the County of Cumberland

Rain Gauge
- Diameter of Funnel..........................in.
- *Height of Top above Ground.........ft.............in.*
- *Height of Ground above Sea Level.................ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	14.70				
FEB.	14.93				
MAR.	8.12				
APRIL	4.03				
MAY	1.60				
JUNE	7.25				
JULY	13.92				
AUG.	4.06				
SEPT.	2.63				
OCT.	5.33				
NOV.	18.67				
DEC.	6.08				
TOTAL	101.32				

✓ cmpld Cy

Signature Manchester Corpn W.W.

*See Instruction 2 *(f)* below.

C Particulars of Station,

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter.......................in Summer.......................

Nearest Railway Station.......................... Distance................ Direction from gauge............

Nearest Parish Church at.......................... Distance................ Direction from gauge............

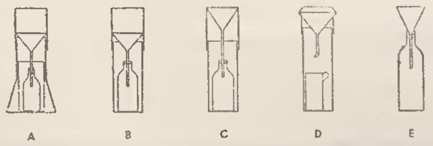
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

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(c) When was the measurement made?

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3630/s.

FORM 1090.

B Monthly Summary.

The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1940

At Thirlmere (Red Brow)

In the County of Cumberland

Rain Gauge
- Diameter of Funnel 8" in.
- *Height of Top above Ground* .... *ft.* .... *in.*
- *Height of Ground above Sea Level* 700 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	1·78				
FEB.	3·69				
MAR.	11·28				
APRIL	5·06				
MAY	2·76				
JUNE	1·46				
JULY	9·38				
AUG.	3·97				
SEPT.	8·27				
OCT.	10·89				
NOV.	12·52				
DEC.	11·45				
TOTAL	82·51				

Signature Per Manchester W.W.

Copy by B.R.O.

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

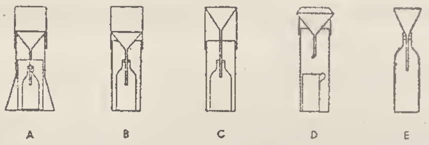
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) The rain-gauge should be visited every morning without exception. When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction. An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 / 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) The total rainfall for the month is found by addition. The addition should always be done a second time as a check. The check is of special importance when the total has already been found in another copy of the register.

(f) The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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Wt. 2778/2036 21,000 10/38 W. H. & S. 668/91
S.O. Code No. 40-9999

3631

HELVELLYN

BIRKSIDE

1931–40

780703

3631

FORM 1090. **B** M S ...n.

*** The following register of mon... &c., is NOT required if daily... values are given on the other... ...ection and also the space for ... this register should be sent:—

RAINFALL IN 193

At Helvellyn (Bi

In the County of Cumbe

...in Summer...

...stance... Direction from gauge ...

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft* – *in.*
Height of Ground above Sea Level 1,900 *ft.*

Nearest Parish Church at... Distance... Direction from gauge ...

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	7·6				
FEB.	7·2				
MAR.	2·0				
APRIL	5·6				
MAY	6·8				
JUNE	10·8				
JULY	9·2				
AUG.	7·9				
SEPT.	5·1				
OCT.	5·7				
NOV.	17·2				
DEC.	6·1				
Total	91.20				

Signature Part footnote

*See Instruction 2 (*f*) below.

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move... Distance... Direction...

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

G. removed to site selected
after inspection + surrounded
by wall in Dec 1931

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02, *or* 0·3.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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3631

FORM 1090. **B** Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1931

At Helvellyn (Birkside)

In the County of Cumberland

Rain Gauge

Diameter of Funnel 5 in.

Height of Top above Ground 1 *ft.* – *in.*

Height of Ground above Sea Level 1,900 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	7.6				
FEB.	7.2				
MAR.	2.0				
APRIL	5.6				
MAY	6.8				
JUNE	10.8				
JULY	9.2				
AUG.	7.9				
SEPT.	5.1				
OCT.	5.7				
NOV.	17.2				
DEC.	6.1				
Total	91.20				

Signature Part footnote

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

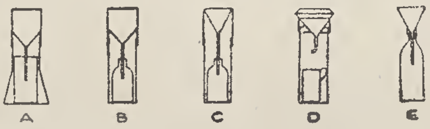
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

G. removed to site selected after inspection + surrounded by wall in Dec 1931

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at* 9 *a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following* 9 *a.m. on January 1st; it is therefore the amount measured on January 2nd.* 9 *a.m. Greenwich Mean Time is* 10 *a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 / 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02, *or* 0·3.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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FORM 1090.

3631

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

Thirlmere

RAINFALL IN 1932

At Helvellyn Birkside

In the County of Cumberland

Rain Gauge
Diameter of Funnel .... in.
Height of Top above Ground .... *ft* .... *in.*
Height of Ground above Sea Level 1,900 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with ·01 in or more	Number of Days with ·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	20·30				
FEB.	·44				
MAR.	6·64				
APRIL	9·21				
MAY	6·38				
JUNE	5·75				
JULY	10·72				
AUG.	2·91				
SEPT.	10·09				
OCT.	14·28				
NOV.	6·61				
DEC.	16·98				
Total	110·31				

Signature Manchester Corpt, W.W

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Copy by B.R.O.

Hour of observation by the clock—in Winter........ in Summer........

Nearest Railway Station........ Distance........ Direction from gauge........

Nearest Parish Church at........ Distance........ Direction from gauge........

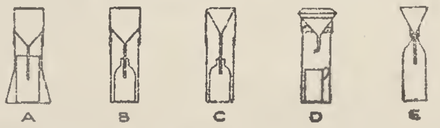
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move........ Distance........ Direction........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{r}17\\18\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02, *or* 0·3.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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3631

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1933

At Helvellyn, Birkside

In the County of Cumberland

Rain Gauge

Diameter of Funnel 5 in.

Height of Top above Ground 1 *ft.* 0 *in.*

Height of Ground above Sea Level 1900 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	10.85				
FEB.	8.50				
MAR.	6.96				
APRIL	3.59				
MAY	4.83				
JUNE	3.52				
JULY	8.60				
AUG.	6.79				
SEPT.	2.65				
OCT.	9.00				
NOV.	4.73				
DEC.	1.65				
Total	71.67				

Signature Manchester Corpn. W.W.

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you **know of any record of rainfall** not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Copy by B.R.O.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17, 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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3631

FORM 1090.

B Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1934

At Helvellyn (Birkside)

In the County of Cumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft* 0 *in.*
- *Height of Ground above Sea Level* 1·900 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	15·94				
FEB.	·86				
MAR.	6·79				
APRIL	4·82				
MAY	6·89				
JUNE	3·62				
JULY	3·20				
AUG.	10·51				
SEPT.	13·52				
OCT.	15·11				
NOV.	14·41				
DEC.	19·53				
Total	108·20				

✓

Signature……………………

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

……………………

……………………

Hour of observation by the clock—in Winter…………in Summer…………

Nearest Railway Station………… Distance………… Direction from gauge…………

Nearest Parish Church at………… Distance………… Direction from gauge…………

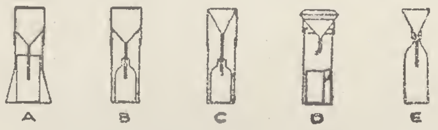
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move………… Distance………… Direction…………

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

……………………

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Copied from Manchester Corpn. Sheet

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\begin{array}{c|}17\\18\end{array}\Big\}\cdot14\Big|$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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3631

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1935.

At Helvellyn

In the County of Cumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 0 *in.*
- *Height of Ground above Sea Level* 1900 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	4·69				
FEB.	14·72				
MAR.	2·60				
APRIL	6·84				
MAY	1·13				
JUNE	9·54				
JULY	4·56				
AUG.	5·09				
SEPT.	16·37				
OCT.	16·37				
NOV.	9·78				
DEC.	7·69				
TOTAL	99·37				

Signature Copied from Manchester Corpn. returns.

*See Instruction 2 *(f)* below.

C Particulars of Station,

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Hour of observation by the clock—in Winter.......... in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

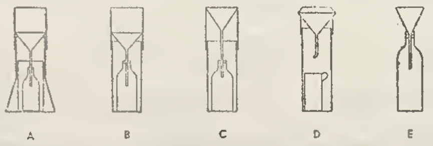
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state –

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfull and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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Wt.3430/1699 15,000 2/35 W. H. & S. 668/91.

3631.

FORM 1090.

B Monthly Summary.

, The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1936.

At Helvellyn (Birkside)

In the County of ~~Cheshire~~ Cumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 0 *in.*
- *Height of Ground above Sea Level* 1900 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	14·29				
FEB.	5·15				
MAR.	6·90				
APRIL	2·93				
MAY	1·95				
JUNE	8·62				
JULY	10·67				
AUG.	5·76				
SEPT.	12·02				
OCT.	8·10				
NOV.	11·24				
DEC.	15·82				
TOTAL	103·45				

Signature Manchester Corpn. W. W.

*See Instruction 2 (*f*) below.

C Particulars of Station,

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Copy by B.R.O.

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

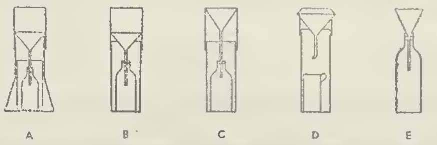
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state –

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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Wt.3430/1699 15,000 2/35 W. H. & S. 668/91.

3631

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1937

At Helvellyn

In the County of Cumberland

Rain Gauge
- Diameter of Funnel........................in.
- *Height of Top above Ground.........ft.............in.*
- *Height of Ground above Sea Level.................ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	14·84				
FEB.	10·30				
MAR.	8·30				
APRIL	6·01				
MAY	3·82				
JUNE	5·28				
JULY	6·55				
AUG.	4·98				
SEPT.	8·35				
OCT.	6·64				
NOV.	2·49				
DEC.	6·97	✓			
TOTAL	84·53 ✓	✓			

Signature ....

* See Instruction 3 *(f)* below.

C Particulars of Station.

Copy by B.R.O.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

....

Hour of observation by the clock—in Winter........................in Summer..................

Nearest Railway Station.............................. Distance.................. Direction from gauge.............

Nearest Parish Church at.............................. Distance.................. Direction from gauge.............

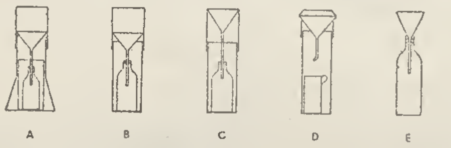
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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Wt.1046/3030. 26,000. 4/36. W. H. & S. 668/91. S.O. Code No. 40-9999

3631

FORM 1090.

B Monthly Summary.

* The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1938

At Helvellyn

In the County of Cumberland

Rain Gauge { Diameter of Funnel 5 in.

Height of Top above Ground 1 *ft.* ...... *in.*

Height of Ground above Sea Level 1900 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	12·08				
FEB.	4·75				
MAR.	5·50				
APRIL	·79				
MAY	8·31				
JUNE	12·40				
JULY	13·27				
AUG.	5·44				
SEPT.	6·53				
OCT.	19·59				
NOV.	17·17				
DEC.	8·59				
TOTAL	114·42 ✓				

Signature ....

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Copy by B.R.O.

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

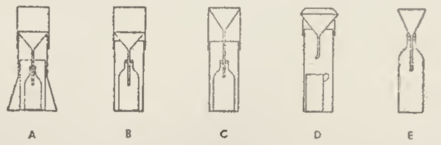
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(*a*) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9999

3631

FORM 1090.

B Monthly Summary.

*** **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1939

At Helvellyn

In the County of Cumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 0 *in.*
- *Height of Ground above Sea Level* 1900 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	14·26				
FEB.	13·34				
MAR.	7·57				
APRIL	3·90				
MAY	2·25				
JUNE	7·69				
JULY	14·73				
AUG.	4·50				
SEPT.	2·96				
OCT.	6·23				
NOV.	15·29				
DEC.	5·14				
TOTAL	97.86	✓			

Signature Per Manchester W.W.

* See Instruction 3 *(f)* below.

C Particulars of Station.

~~Copy by B.R.O.~~

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Hour of observation by the clock—in Winter.................in Summer.................

Nearest Railway Station................ Distance................ Direction from gauge................

Nearest Parish Church at................ Distance................ Direction from gauge................

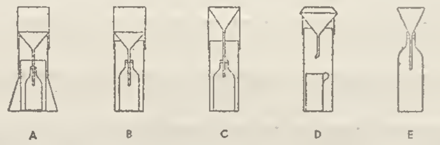
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move................ Distance................ Direction................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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FORM 1090. **B** Monthly Summary. **C** Particulars of Station. 363

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 19~~3~~40

At Helvellyn (Birkside)

In the County of Cumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 0 *in.*
- *Height of Ground above Sea Level* 1900 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
JAN.	1·66				
FEB.	3·45				
MAR.	10·29				
APRIL	5·04				
MAY	2·95				
JUNE	1·26				
JULY	10·22				
AUG.	3·92				
SEPT.	6·51				
OCT.	11·00				
NOV.	11·40				
DEC.	10·68				
TOTAL	78·38				

Signature Per Manchester W.W.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter.......................in Summer.......................

Nearest Railway Station....................... Distance.............. Direction from gauge..............

Nearest Parish Church at....................... Distance.............. Direction from gauge..............

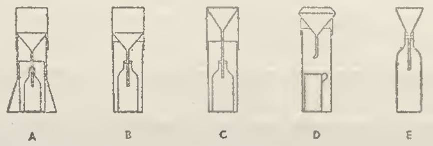
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move....................... Distance.............. Direction..............

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Copy by B.R.O.

* See Instruction 3 *(f)* below.

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9999

FORM 1090. **B** Monthly Summary.

3632.

CUMBERLAND.

WYTHBURN.

1931 — 40

780703

3632

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1931

At Wythburn

In the County of Cumberland

Rain Gauge

Diameter of Funnel 5 in.

Height of Top above Ground 1 *ft.* — *in.*

Height of Ground above Sea Level 610 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	10.1				
FEB.	9.3				
MAR.	2.2				
APRIL	4.6				
MAY	6.5				
JUNE	9.9				
JULY	9.2				
AUG.	6.2				
SEPT.	3.6				
OCT.	7.4				
NOV.	21.8				
DEC.	8.0				
Total	98.80				

Signature

*See Instruction 2 (*f*) below.

s of Station.

l in this section and also the space for

y relating to this register should be sent:—

Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

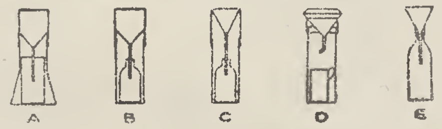
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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3632

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1931

At Wythburn

In the County of Cumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* – *in.*
- *Height of Ground above Sea Level* 610 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	10.1				
FEB.	9.3				
MAR.	2.2				
APRIL	4.6				
MAY	6.5				
JUNE	9.9				
JULY	9.2				
AUG.	6.2				
SEPT.	3.6				
OCT.	7.4				
NOV.	21.8				
DEC.	8.0				
Total	98.80				

Signature

*See Instruction 2 (*f*) below.

Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

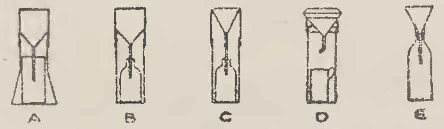
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

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(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

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(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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3632

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

Thirlmere

RAINFALL IN 1932

At Wythburn

In the County of Cumberland

Rain Gauge { Diameter of Funnel............in.

Height of Top above Ground......ft.......in.

Height of Ground above Sea Level 610 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	23·20				
FEB.	·12				
MAR.	6·84				
APRIL	9·38				
MAY	5·53				
JUNE	4·58				
JULY	9·77				
AUG.	1·63				
SEPT.	9·88				
OCT.	15·64				
NOV.	7·70				
DEC.	19·42				
Total	113·69				

Signature............ Manchester Corpn, W.W

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Copy by B.R.O.

Hour of observation by the clock—in Winter............in Summer............

Nearest Railway Station............ Distance............ Direction from gauge............

Nearest Parish Church at............ Distance............ Direction from gauge............

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move............ Distance............ Direction............

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

- (a) Is it known that the gauge was empty at the beginning of the measured rainfall?
- (b) What note was made of the times of beginning and end of this fall?
- (c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{l}17\\18\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

3632

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1933

At Wythburn

In the County of Cumberland

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft* 0 *in.*
Height of Ground above Sea Level 610 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	14.13				
FEB.	9.52				
MAR.	8.07				
APRIL	2.97				
MAY	4.22				
JUNE	3.28				
JULY	8.48				
AUG.	5.97				
SEPT.	1.92				
OCT.	8.40				
NOV.	4.11				
DEC.	1.46				
Total	72.53				

Signature Manchester Corpn. W.W.

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Copy by B.R.O.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(506) Wt.24107/1845 15000 3/33. Gp. 119/110.

D

FORM 1090. **B** Monthly Summary.

3632.

. The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1934

At Wythburn

In the County of Cumberland

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 0 *in.*
Height of Ground above Sea Level 610 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	16·99				
FEB.	·68				
MAR.	6·50				
APRIL	6·58				
MAY	7·03				
JUNE	3·34				
JULY	2·54				
AUG.	9·89				
SEPT.	13·94				
OCT.	16·96				
NOV.	3·04				
DEC.	14·99				
Total	105·54				

Signature Please send

*See Instruction 2 (*f*) below.

196738/32.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

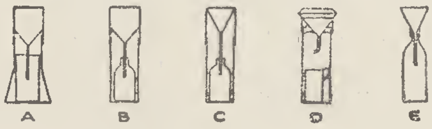
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Copied from Manchester Corpn. Shee
form

D

INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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3632

Form 1090.

B Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1935.

At Wythburn

In the County of Cumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 0 *in.*
- *Height of Ground above Sea Level* 610 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
Jan.	4·64				
Feb.	18·51				
Mar.	2·50				
April	7·79				
May	1·04				
June	8·87				
July	4·00				
Aug.	4·48				
Sept.	16·26				
Oct.	17·04				
Nov.	10·26				
Dec.	7·04				
Total	102·43				

Signature Copied from Manchester Corpn. returns

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Hour of observation by the clock—in Winter……in Summer……

Nearest Railway Station…… Distance…… Direction from gauge……

Nearest Parish Church at…… Distance…… Direction from gauge……

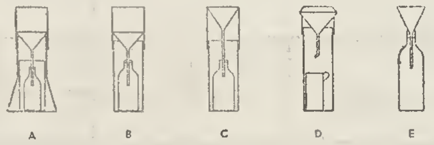
Nature of objects nearest to gauge				
Height of objects				
Distances …				
Directions from gauge …				

If gauge has been moved during the year state –

Date of move…… Distance…… Direction……

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

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(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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Wt.3430/1699 15,000 2/35 W. H. & S. 668/91.

3632.

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1936.

At Wythburn

In the County of ~~Cheshire~~ Cumberland

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 0 *in.*
Height of Ground above Sea Level 610 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	14·16				
FEB.	5·32				
MAR.	6·28				
APRIL	1·88				
MAY	1·48				
JUNE	6·44				
JULY	9·80				
AUG.	5·44				
SEPT.	10·97				
OCT.	12·14				
NOV.	11·71				
DEC.	17·75				
TOTAL	103·37				

Signature Manchester Corpn W.W.

*See Instruction 2 *(f)* below.

C Particulars of Station,

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Copy by B.R.O.

Hour of observation by the clock—in Winter.................in Summer..........

Nearest Railway Station.................. Distance.............. Direction from gauge..........

Nearest Parish Church at.................. Distance.............. Direction from gauge..........

Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state –

Date of move.................... Distance.............. Direction..........

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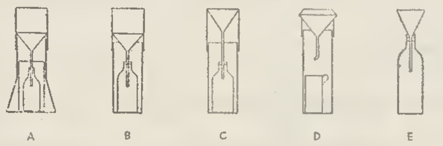

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(h) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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Wt.3430/1699 15,000 2/35 W. H. & S. 668/91.

3632

FORM 1090.

B Monthly Summary.

*** **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1937.

At Wythburn

In the County of Cumberland

Rain Gauge
- Diameter of Funnel.........................in.
- *Height of Top above Ground.........ft.............in.*
- *Height of Ground above Sea Level..................ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	16·11				
FEB.	11·10				
MAR.	4·43				
APRIL	5·87				
MAY	3·16				
JUNE	4·46				
JULY	5·25				
AUG.	5·13				
SEPT.	8·96				
OCT.	5·88				
NOV.	2·97				
DEC.	7·10	✓			
TOTAL	80·42 ✓	✓			

80·42

Signature ....

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Copy by B.R.O.

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter.......................in Summer.......................

Nearest Railway Station.................................... Distance.............. Direction from gauge............

Nearest Parish Church at.................................... Distance.............. Direction from gauge............

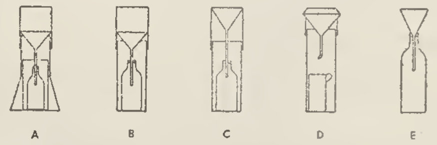
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.................................... Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
  (A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
  (B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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3632

FORM 1090.

B Monthly Summary.

* The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1938

At Wythburn

In the County of Cumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* *in.*
- *Height of Ground above Sea Level* 610 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	16·56				
FEB.	5·33				
MAR.	6·46				
APRIL	1·10				
MAY	7·98				
JUNE	14·44				
JULY	13·76				
AUG.	6·35				
SEPT.	6·49				
OCT.	24·71				
NOV.	19·09				
DEC.	9·03				
TOTAL	131·30 ✓				

Signature ....

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :— Copy by B.R.O.

Hour of observation by the clock—in Winter........................in Summer....................

Nearest Railway Station.................................. Distance.................. Direction from gauge..............

Nearest Parish Church at.................................. Distance.................. Direction from gauge..............

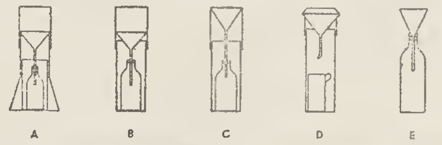
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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8632

Form 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939

At Wythburn

In the County of Cumberland

Rain Gauge

Diameter of Funnel 5 in.

Height of Top above Ground 1 *ft.* 0 *in.*

Height of Ground above Sea Level 610 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
Jan.	15.18				
Feb.	15.31				
Mar.	7.90				
April	4.11				
May	1.46				
June	7.08				
July	13.44				
Aug.	4.14				
Sept.	2.47				
Oct.	5.38				
Nov.	19.50				
Dec.	6.31				
Total	102.28				

Signature Per Manchester W.W.

* See Instruction 3 *(f)* below.

C Particulars of Station.

Copy by B.R.O.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

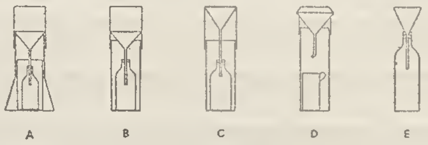
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B.**)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

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9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\begin{matrix}17\\18\end{matrix}\Big\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9999

FORM 1090.

B Monthly Summary.

C Particulars of Station.

3632

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 19~~3~~40

At Wythburn

In the County of Cumberland

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 0 *in.*
Height of Ground above Sea Level 610 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	1·82				
FEB.	3·75				
MAR.	11·08				
APRIL	3·93				
MAY	2·16				
JUNE	·90				
JULY	8·72				
AUG.	4·01				
SEPT.	8·48				
OCT.	10·63				
NOV.	11·86				
DEC.	11·05				
TOTAL	78·39				

Signature Per Manchester W.W.

* See Instruction 3 *(f)* below.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Hour of observation by the clock—in Winter.................in Summer.................

Nearest Railway Station................. Distance................. Direction from gauge.................

Nearest Parish Church at................. Distance................. Direction from gauge.................

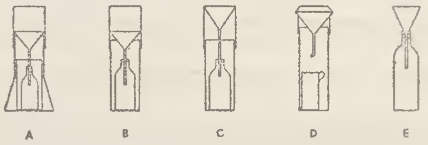
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move................. Distance................. Direction.................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Copy by B.R.O.

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.

9 a.m. Greenwich Mean Time is 10 *a.m. by the clock during Summer Time Period.*

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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Wt. 3079/2165 25,500 12/37 W. H. & S. 666/91
S.O. Code No. 40-9999

3632/5

CUMBERLAND

BROWN RIGG

1931

780703.

3632/5

Cumberland

2

FORM 1090. **B** Monthly Summary.

** **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1931

At Brown Rigg

In the County of Cumberland

Rain Gauge {
Diameter of Funnel.................in.
Height of Top above Ground.........ft..........in.
Height of Ground above Sea Level 1450' *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	5.9				
FEB.	5.2				
MAR.	1.8				
APRIL	3.3				
MAY	5.7				
JUNE	8.8				
JULY	8.5				
AUG.	5.6				
SEPT.	3.4				
OCT.	6.4				
NOV.	16.0				
DEC.	6.2				
Total	76.80				

mp G. Birley [illegible] [illegible] 25/9/31.

Signature..

*See Instruction 2 (*f*) below.

Ev... this section and also the space for

Na... lating to this register should be sent:—

Ho... er.................in Summer.................

Nearest Railway Station.................................... Distance.................. Direction from gauge ....

Nearest Parish Church at.................................... Distance.................. Direction from gauge ....

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move.................................... Distance.................. Direction..................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

"Readings taken from new check gauge".

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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N.

3632/5
Cumberland
2

FORM 1090. **B** Monthly Summary.

, **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1931

At Brown Rigg
In the County of Cumberland

Rain Gauge
Diameter of Funnel .... in.
Height of Top above Ground .... *ft* .... *in.*
Height of Ground above Sea Level 1450' *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	5.9				
FEB.	5.2				
MAR.	1.8				
APRIL	3.3				
MAY	5.7				
JUNE	8.8				
JULY	8.5				
AUG.	5.6				
SEPT.	3.4				
OCT.	6.4				
NOV.	16.0				
DEC.	6.2				
Total	76.80				

mp. [illegible] 25/9/31.

Signature ....

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

"Readings taken from new check gauge".

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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N.

3632/6

CUMBERLAND./2.

HELVELLYN

1932–40

780703.

19738/2

3632/5

Cumb/2

FORM 1090. **B** Monthly Summary. ...ars of Station.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

...fill in this section and also the space for ...quiry relating to this register should be sent:—

B.R.O.

Thirlmere

RAINFALL IN 1932

HELVELLYN

At (Brown Rigg) new g

In the County of Cumberland 5/2

...in Winter..........in Summer..........

Rain Gauge

Diameter of Funnel 5 in.

Height of Top above Ground 1 *ft.* 0 *in.*

Height of Ground above Sea Level 1450 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	27·80				
FEB.	·13				
MAR.	7·61				
APRIL	11·28				
MAY	5·92				
JUNE	6·33				
JULY	11·46				
AUG.	1·99				
SEPT.	12·14				
OCT.	17·44				
NOV.	9·84				
DEC.	25·85				
Total	137·79	part			

Signature Manchester Corpt, W.W

*See Instruction 2 (*f*) below.

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

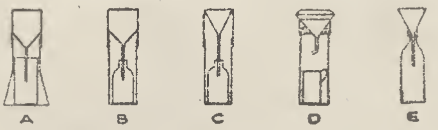
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you **know of any record of rainfall** not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

old g. at Brown Rigg was very badly overexposed.

[illegible]

1/I/32 new g erected on site selected by Dr Glasspoole no turf wall required.

OK print.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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ØN

19738/2

3632/6

Cumb/2

FORM 1090. **B** Monthly Summary.

C Particulars of Station.

, **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

Thirlmere

RAINFALL IN 1932

HELVELLYN

At (Brown Rigg) new g.

In the County of Cumberland 5/2

Rain Gauge

Diameter of Funnel 5 in.

Height of Top above Ground 1 *ft.* 0 *in.*

Height of Ground above Sea Level 1450 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	27·80				
FEB.	·13				
MAR.	7·61				
APRIL	11·28				
MAY	5·92				
JUNE	6·33				
JULY	11·46				
AUG.	1·99				
SEPT.	12·14				
OCT.	17·44				
NOV.	9·84				
DEC.	25·85				
Total	137·79	est			

Signature Manchester Corp't, W.W

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Copy by B.R.O.

Hour of observation by the clock—in Winter.................in Summer.................

Nearest Railway Station................. Distance................. Direction from gauge.................

Nearest Parish Church at................. Distance................. Direction from gauge.................

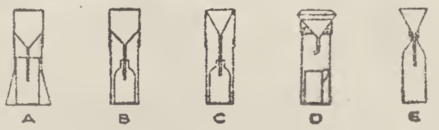
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move................. Distance................. Direction.................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

old g. at Brown Rigg was very badly overexposed.

c1921 [illegible]

1/I/32 new g erected on site selected by Mr Glasspoole no turf wall required.

OK print

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

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(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{l}17\\18\end{array}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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0N

3632/6

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1933.

At Helvellyn, Brown Rigg

In the County of Cumberland

Rain Gauge
Diameter of Funnel .... in.
Height of Top above Ground .... ft .... in.
Height of Ground above Sea Level .... ft.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	17·91				
FEB.	10·95				
MAR.	8·98				
APRIL	3·75				
MAY	4·91				
JUNE	3·55				
JULY	10·09				
AUG.	7·36				
SEPT.	2·38				
OCT.	8·80				
NOV.	4·68				
DEC.	1·33				
Total	84·69				

Signature Manchester Corpn. W.W.

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

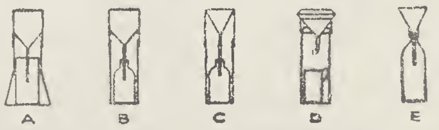
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of **rainfall** not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Copy by B.R.O.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

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(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{l}17\\18\end{array}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(506) Wt.24107/1845 15000 3/33. Gp. 119/110.

D

FORM 1090.

~~3632/6~~
3632/6

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1934

At Helvellyn (Brown Rigg)

In the County of Cumberland

Rain Gauge
Diameter of Funnel..................in.
Height of Top above Ground..........*ft*..........*in*.
Height of Ground above Sea Level..........*ft*.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	22·57				
FEB.	·79				
MAR.	7·39				
APRIL	7·16				
MAY	9·59				
JUNE	4·33				
JULY	2·93				
AUG.	12·34				
SEPT.	16·26				
OCT.	19·19				
NOV.	3·37				
DEC.	20·95				
Total	126·86				

✓

Signature..............................

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter.............. in Summer..............

Nearest Railway Station.............. Distance.............. Direction from gauge ....

Nearest Parish Church at.............. Distance.............. Direction from gauge ....

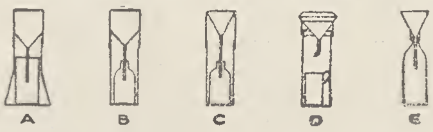
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move.............. Distance.............. Direction..............

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Copied from Manchester Corpn. Sheet.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{r}17\\18\end{array}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(457) Wt.9673/738 16000 8/32. Gp. 119/110.

3632/6

FORM 1090.

B Monthly Summary.

** **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1935.

At Brown Rigg

In the County of Cumberland

Rain Gauge
- Diameter of Funnel........................in.
- *Height of Top above Ground*.........*ft*...........*in.*
- *Height of Ground above Sea Level*..................*ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	5.79				
FEB.	23.02				
MAR.	3.11				
APRIL	8.99				
MAY	1.04				
JUNE	9.18				
JULY	5.14				
AUG.	5.26				
SEPT.	18.75				
OCT.	21.21				
NOV.	11.63				
DEC.	7.45				
TOTAL	120.56				

C Particulars of Station,

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

....

Hour of observation by the clock—in Winter.......................in Summer....................

Nearest Railway Station.............................. Distance.................Direction from gauge............

Nearest Parish Church at.............................. Distance.................Direction from gauge...........

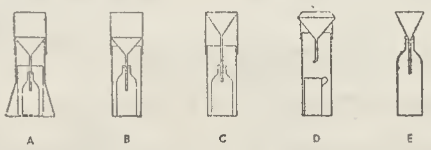
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Signature Manchester Corpn. returns (copied from)

*See Instruction 2 *(f)* below.

D INSTRUCTIONS.

1. Rules for measuring the rainfull and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{r}17\\18\end{array}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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Wt.3430/1699 15,000 2/35 W. H. & S. 668/91.

3632/6.

FORM 1090.

B Monthly Summary.

. The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1936.

At Helvellyn (Brown Rigg) new g.

In the County of ~~Cheshire~~ Cumberland

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 0 *in.*
Height of Ground above Sea Level 1450 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	16·09				
FEB.	5·44				
MAR.	7·45				
APRIL	1·96				
MAY	2·04				
JUNE	6·52				
JULY	12·74				
AUG.	5·68				
SEPT.	12·30				
OCT.	12·69				
NOV.	13·82				
DEC.	22·75				
TOTAL	119·48				

Signature Manchester Corpn. W. W.

*See Instruction 2 (*f*) below.

C Particulars of Station,

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Copy by B.R.G.

Hour of observation by the clock—in Winter.......................in Summer....................

Nearest Railway Station.............................. Distance..................Direction from gauge..............

Nearest Parish Church at.............................. Distance..................Direction from gauge..............

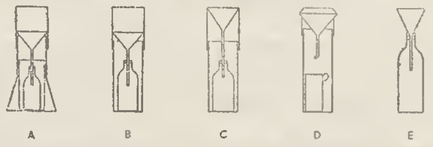
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state –

Date of move.. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfull and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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Wt.3430/1699 15,000 2/35 W. H. & S. 668/91.

3632/6

FORM 1090.

B Monthly Summary.

. The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1937

At Brown Rigg

In the County of Cumberland

Rain Gauge
- Diameter of Funnel..........................in.
- *Height of Top above Ground.........ft............in.*
- *Height of Ground above Sea Level..................ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	19·82				
FEB.	11·17				
MAR.	4·14				
APRIL	6·75				
MAY	3·74				
JUNE	5·08				
JULY	5·85				
AUG.	5·91				
SEPT.	10·60				
OCT.	6·76				
NOV.	2·41				
DEC.	6·04	✓			
TOTAL	88·27 ✓	✓			

Signature ....

* See Instruction 3 (*f*) below.

C Particulars of Station.

Copy by B.R.O.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

....

Hour of observation by the clock—in Winter......................in Summer......................

Nearest Railway Station.............................. Distance.......... Direction from gauge............

Nearest Parish Church at.............................. Distance.................. Direction from gauge............

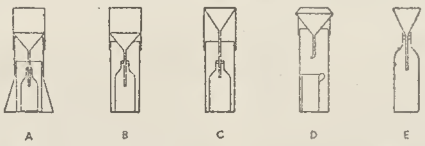
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.. Distance.............. Direction............

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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3632/6

FORM 1090.

B Monthly Summary.

The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1938

At Brown Rigg

In the County of Cumberland

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* *in.*
Height of Ground above Sea Level 1450 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	19·52				
FEB.	6·99				
MAR.	9·89				
APRIL	1·51				
MAY	8·87				
JUNE	16·82				
JULY	16·12				
AUG.	7·33				
SEPT.	7·24				
OCT.	29·99				
NOV.	22·01				
DEC.	10·30				
TOTAL	156·59 ✓				

Signature ....

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

Copy by B.R.O.

Hour of observation by the clock—in Winter.......................in Summer.....................

Nearest Railway Station........................... Distance............ Direction from gauge............

Nearest Parish Church at........................... Distance............ Direction from gauge............

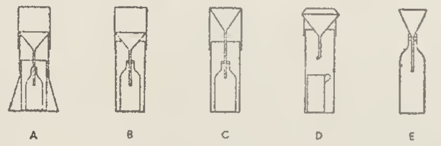
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move........................... Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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Wt.1046/3030. 26,000. 4/36. W. H. & S. 668/91. S.O. Code No. 40-9999

3632/6

Form 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939

At Brown Rigg

In the County of Cumberland.

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 0 *in.*
- *Height of Ground above Sea Level* 1450 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	19.41				
FEB.	18.65				
MAR.	8.76				
APRIL	4.83				
MAY	1.83				
JUNE	8.61				
JULY	14.44				
AUG.	4.87				
SEPT.	3.24				
OCT.	5.43				
NOV.	21.56				
DEC.	7.48				
TOTAL	119.11				

Signature Per Manchester W.W.

* See Instruction 3 (*f*) below.

C Particulars of Station.

Copy by B.R.O.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

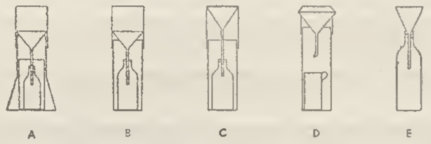
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(*a*) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\begin{matrix}17\\18\end{matrix}\Big\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9999

FORM 1090.

B Monthly Summary.

C Particulars of Station.

3632/6

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 19~~3~~40

Helvellyn

At Brown Rigg)

In the County of Cumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 0 *in.*
- *Height of Ground above Sea Level* 1450 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	2·28				
FEB.	4·57				
MAR.	13·96				
APRIL	4·93				
MAY	2·34				
JUNE	1·20				
JULY	9·27				
AUG.	5·34				
SEPT.	10·77				
OCT.	13·16				
NOV.	14·24				
DEC.	13·00				
TOTAL	95·06	✓			

Signature Per Manchester W.W.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Hour of observation by the clock—in Winter............in Summer............

Nearest Railway Station............ Distance............ Direction from gauge............

Nearest Parish Church at............ Distance............ Direction from gauge............

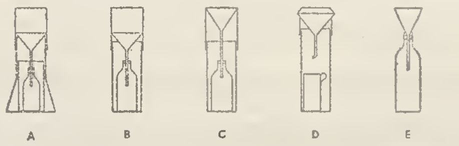
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move............ Distance............ Direction............

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



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(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
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(c) When was the measurement made?

Copy by B.R.O.

* See Instruction 3 *(f)* below.

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1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

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S.O. Code No. 40-9999

3633

3633

CUMBERLAND
THE MORAINE
BORROWDALE
1931– 40

780703

Section **A** for the entry of Daily Ob

AIR MINISTRY.—METE

COPY FOR OFFICIAL USE.

SH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER N 193/ .

Kept at The Moraine, Borro

in the County of Cumberlan

f. 9262/30.

No. 3633.

Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1
,, Ground ,, Sea Level 330 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	–	–	Tr.	·24	·05	·06	·27	Tr.	·42	1·72	Tr.	·03	1
2	·05	·03	–	·03	Tr.	·84	·22	–	1·03	·22	2·35	3·02*	2
3	–	–	–	–	–	·03	1·65	–	·43	·64	5·24*	·55	3
4	–	–	–	·65	·04	–	·04	–	·03	·48	·12	·47	4
5	–	·02	Tr.	–	·42	·35	·01	–	–	·28	·02	1·20	5
6	–	·09	·01	–	·07	·26	·26	Tr.	·21	1·48	·31	Tr.	6
7	–	·51	Tr.	Tr.	·04	·25	Tr.	✗	–	·44	·15	·55	7
8	–	·68	Tr.	·01	Tr.	·10	·44		–	·23	·19	·03	8
9	–	·68	Tr.	–	·35	·37	·20	✗	·07	2·26	·63	·13	9
10	·20	·32	·05	–	2·81 x	1·53	·01		·03	Tr.	·74	Tr.	10
11	·25	1·40	–	·17	–	·02	·56		·38	·07	·87	Tr.	11
12	·65	·08	·15	·09	Tr.	Tr.	·39	2·83	·01	·12	·07	Tr.	12
13	–	–	·97	·03	·55	·38	·02	✗ on 5 days.	–	–	·39	Tr.	13
14	·26	·11	·22	Tr.	·23	2·43	·42	✗	–	–	·68	·14	14
15	·15	·50	–	·20	·05	1·68	·25		·05	–	–	Tr.	15
16	1·09	·14	–	·71	–	·71	·17	✗	·36	–	–	–	16
17	·04	·02	–	·18	·94	·63	·79	·98	Tr.	–	·52	–	17
18	·50	–	–	·02	Tr.	·12	·08	·09	·01	Tr.	1·37	–	18
19	·80	1·64	·02	–	–	–	·34	1·20	Tr.	Tr.	·03	Tr.	19
20	–	·33	·12	–	–	·09	Tr.	·01	–	–	·46	Tr.	20
21	·51	·31	·12	·01	·23	·22	·02	·13	–	–	·01	–	21
22	2·39	·14	·04	·47	·15	·25	1·59	–	Tr.	–	·46	·08	22
23	·86	·11	–	·70	·26	·27	Tr.	–	Tr.	Tr.	2·58*	2·06	23
24	·28	·62	–	·45	·38	–	·15	–	–	–	·57	·26	24
25	·15	·58	–	·14	Tr.		Tr.	–	–	–	·21	·09	25
26	·18	·02	–	·14	–	·01	·01	–	–	·05	·76	·08	26
27	·71	–	Tr.	·15	Tr.	·07	1·41	–	–	·60	·40	·03	27
28	·49	·14	–	·17	·66	–	·25	–	–	Tr.	Tr.	·08	28
29	·14	×	Tr.	–	·31	–	1·51	–	Tr.	·63	·03	–	29
30	·03	×	–	Tr.	·09	Tr.	·06	–	·50	–	Tr.	1·19	30
31	·92	×	–	×	–	×	Tr.	–	×	·10	×	–	31
TOTAL	9·93	8·47	1·70	4·56	7·63	10·67	11·12	5·24	3·53	9·32	19·10	9·99	YEAR'S TOTAL 101·26
*Days with ·01 in. or more.	21	22	9	19	18	22	26	10	13	15	25	17	217
*Days with ·04 in. or more.	20	18	7	14	18	19	21	?9	9	15	21	14	185

40-9999

M

*See Instruction 2 (f) on other side.

(Signed) George Scott [P.T.O.

Footnote – Formerly known as Rosthwaite (The Moraine)

3633

Section A for the entry of Daily Obs[illegible] COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1931.

Kept at The Moraine Borrowdale

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. – in.

,, Ground ,, Sea Level 330 ft.

File Ref. 9262/30.

Station No. 3633.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

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Jan. 1, following

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Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in:	in.	in.	in.	
1	–	–	Tr.	·24	·05	·06	·27	Tr.	·42	1·72	Tr.	·03	1
2	·05	·03	–	·03	Tr.	·84	·22	–	1·03	·22	2·35	3·02	2
3	–	–	–	–	–	·03	1·65	–	·43	·64	5·24	·55	3
4	–	–	–	·65	·04	–	·04	–	·03	·48	·12	·47	4
5	–	·02	Tr.	–	·42	·35	·01	–	–	·28	·02	1·20	5
6	–	·09	·01	–	·07	·26	·26	Tr.	·21	1·48	·31	Tr.	6
7	–	·51	Tr.	Tr.	·04	·25	Tr.	✗	–	·44	·15	·55	7
8	–	·68	Tr.	·01	Tr.	·10	·44		–	·23	·19	·03	8
9	–	·68	Tr.	–	·35	·37	·20	✗	·07	2·26	·63	·13	9
10	·20	·32	·05	–	2·81 ✗	1·53	·01		·03	Tr.	·74	Tr.	10
11	·25	1·40	–	·17	–	·02	·56		·38	·07	·87	Tr.	11
12	·65	·08	·15	·09	Tr.	Tr.	·39	2·83	·01	·12	·07	Tr.	12
13	–	–	·97	·03	·55	·38	·02	✗ on 5 days.	–	–	·39	Tr.	13
14	·26	·11	·22	Tr.	·23	2·43	·42	✗	–	–	·68	·14	14
15	·15	·50	–	·20	·05	1·68	·25		·05	–	–	Tr.	15
16	1·09	·14	–	·71	–	·71	·17	✗	·36	–	–	–	16
17	·04	·02	–	·18	·94	·63	·79	·98	Tr.	–	·52	–	17
18	·50	–	–	·02	Tr.	·12	·08	·09	·01	Tr.	1·37	–	18
19	·80	1·64	·02	–	–	–	·34	1·20	Tr.	Tr.	·03	Tr.	19
20	–	·33	·12	–	–	·09	Tr.	·01	–	–	·46	Tr.	20
21	·51	·31	·12	·01	·23	·22	·02	·13	–	–	·01	–	21
22	2·39	·14	·04	·47	·15	·25	1·59	–	Tr.	–	·46	·08	22
23	·86	·11	–	·70	·26	·27	Tr.	–	Tr.	Tr.	2·58	2·06	23
24	·28	·62	–	·45	·38	–	·15	–	–	–	·57	·26	24
25	·15	·58	–	·14	Tr.	–	Tr.	–	–	–	·21	·09	25
26	·18	·02	–	·14	–	·01	·01	–	–	·05	·76	·08	26
27	·71	–	Tr.	·15	Tr.	·09	1·41	–	–	·60	·40	·03	27
28	·49	·14	–	·17	·66	–	·25	–	–	Tr.	Tr.	·08	28
29	·14	✗	Tr.	–	·31	–	1·51	–	Tr.	·63	·03	–	29
30	·03	✗	–	Tr.	·09	Tr.	·06	–	·50	–	Tr.	1·19	30
31	·92	✗	–	✗	–	✗	Tr.	–	✗	·10	✗	–	31
TOTAL	9·93	8·47	1·70	4·56	7·63	10·67	11·12	5·24	3·53	9·32	19·10	9·99	YEAR'S TOTAL 101·26
*Days with ·01 in. or more.	21	22	9	19	18	22	26	10	13	15	25	17	217
*Days with ·04 in. or more.	20	18	7	14	18	19	21	?9	9	15	21	14	185

40-9999

M.

*See Instruction 2 (f) on other side.

(Signed) George Scott [P.T.O.

Footnote – Formerly known ~~as~~ Rosthwaite (The Moraine)

339 9242/30 3633

Section **A** for the entry of Daily Observations.

FOR OFFICIAL USE.

AIR MINISTRY.—METEOROL~~OGICAL~~ OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1931.

400

Kept at Borrowdale, ~~Rosthwaite~~ The Moraine

in the County of Cumberland

Diameter of Funnel of Gauge..........in.
Height of top of Gauge above Ground..........ft..........in.
,, Ground ,, Sea Level..........ft.

Footnote :— Formerly known as Rosthwaite (The Morain

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1				24	·05	06	·27		·42	1·72		·03	1
2	05	03		03		84	22		1·03	22	2·35	3·02	2
3						03	1·65		43	64	5·24	55	3
4				65	·04		04		·03	48	12	47	4
5		·02			42	35	01			28	02	1·20	5
6		09	01		07	26	26		·21	1·48	31		6
7		51			04	25		✓		44	15	55	7
8		68		01		10	44			23	19	03	8
9		68			35	37	20	✓	·27	2·26	63	13	9
10	·20	32	05		2·81	1·53	01		·03		74		10
11	25	1·40		17		02	56		·38	07	87		11
12	65	08	15	09			39	2·83	·01	12	07		12
13			97	03	·55	·38	02	✓			39		13
14	26	11	22		23	2·43	42	✓			68	14	14
15	15	50		20	05	1·68	25		·05				15
16	1·09	14		71		71	17	✓	·36				16
17	04	02		18	94	63	79	98	trace		·52		17
18	50			02		12	08	09	·01		1·37		18
19	08	1·64	·02				34	1·20	trace		03		19
20		33	12			09		01			46		20
21	51	31	12	01	23	22	02	13			01		21
22	2·39	14	04	47	15	25	1·59		trace		46	·08	22
23	86	11		70	26	27			trace		2·58	2·06	23
24	28	62		45	38		15				51	26	24
25	15	58		14							21	09	25
26	18	02		14		·01	01			·05	76	08	26
27	71			15		07	1·41			60	40	03	27
28	49	14		17	·66		25					08	28
29	14				31		1·51		trace	63	03		29
30	03	✕			09		06		·50			1·19	30
31	92	✕		✕		✕			✕	10	✕		31
TOTAL	9·93	8·47	1·70	4·56	7·63	10·67	11·12	5·24	3·53	9·32	19·10	9·99	YEAR'S TOTAL 101·26
*Days with ·01 in. or more.	21	22	9	19	18	22	26	10	13	15	25	17	217
*Days with ·04 in. or more.	20	18	7	14	18	19	21	9	9	15	21	14	185

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M

*See Instruction 2 (f) on other side.

(Signed) G. Scott

[P.T.O.

3633

Section **A** for the entry of Daily Observations. COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

Kept at Borrowdale, ~~Rosthwaite~~ The Moraine.

in the County of Cumberland

~~480~~.

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

„ Ground „ Sea Level .... ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	1·19			·65			·25		2·75	·12	·46	1·95	1
2	4·16			·01	·43		·81	·05	1·05	·20	·83	·63	2
3	·98			·03			·39	·04	·40		·59	·73	3
4	·61		·12				·87		·05	·05		·19	4
5	2·10		·61	·41	·05		·03		·39	·03			5
6	·45		·40	·94	·04			·05	·14	1·50			6
7			1·13	·18	·02	·01			·41	1·08			7
8				·69					·71	·70			8
9	3·81			2·05					·65	·19			9
10	·54			·41					1·71	·12			10
11	·03	·02		·09	·43		·35		·32				11
12	1·30				2·30		1·78	·15	·01	1·15			12
13	·09	·03		·67	·14		·06	·02	·71	1·23		·16	13
14	1·34			·01					·02	·04	·01	1·19	14
15	1·85			·04	·44					·19	·01	·54	15
16	1·52									·35		5·18	16
17	·17						·10	·07	·12	1·55		4·05	17
18	·31				·66			·02	·11	·04		1·50	18
19	·18			·40	·10		·25			·38		·49	19
20	·55		·05	·33				·44		·60	·47	·24	20
21	·52		·57	·03				·12		1·87	·48	·64	21
22	·06		·18	·66			·36			·34	1·68	·69	22
23			·01	·11			·10			·22	1·00	·64	23
24	·20		·02	·03		·04	+		·97	·02	·24	·12	24
25				·19	·36	·08	+		·52	·92	1·01		25
26			·02			·12	+	·02	·20	·92	·28	·22	26
27			·86	·44	·02	1·15	4·60 +	·01		·02	·13	·71	27
28			·20	·09	·20	·10	+	·03		·04	·09	·30	28
29	·08		1·85	·58	·05	·31	+	·10	·02	1·54	1·06	·77	29
30		×	·30	·04		2·86	·45	·46	·29	·81	·23		30
31	·01	×		×		×	·30	·30	×	·18	×	·65	31
													YEAR'S TOTAL
TOTAL	22·05 ✓	·05	6·32	9·08	5·24	4·67	10·70	1·88	11·55	16·40	8·57	21·59	118·10
*Days with ·01 in. or more.	23	2	14	24	14	8	20	15	21	29	16	21	207
*Days with ·04 in. or more.	21	0	11	19	12	7	19	10	18	26	14	21	178

40-9999

(*Signed*) G. Scott

P.T.O.

*See Instruction 2 (*f*) on other side.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 3633

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Kept at "The Moraine" Borrowdale

in the County of Cumberland

Diameter of Funnel of Gauge 5" in.

Height of top of Gauge above Ground 1 ft — in.

,, Ground ,, Sea Level 330 ft.

Days

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·55	·59	·40	Tr.	-	·02	-	Tr.	-	-	·58	-		1
2	3·10	·04	-	·15	-	·97	-	·13	-	-	Tr.	-		2
3	·35	1·45	·14	·19	·31	-	-	-	-	Tr.	·01	-		3
4	1·78	2·87	·80	-	·41	-	-	-	-	-	Tr.	-		4
5	·28	·51	1·34	Tr.	·27	-	-	-	-	-	Tr.	-		5
6	·01	·21	·27	-	·56	-	-	Tr.	-	Tr.	Tr.	-		6
7	·72	·39	·07	-	·06	-	·73	·23	-	·17	-	·02		7
8	·38	·31	1·61	·79	·12	·23	·18	·36	-	·56	·03	-		8
9	-	1·15	·01	·05	·24	Tr.	1·68	-	-	1·05	·26	·01		9
10	·43	·01	-	-	·01	·10	·63	-	-	·93	-	Tr.		10
11	·08	-	-	·13	-	-	·73	-	-	·98	-	·18		11
12	·02	·03	-	-	-	-	·28	-	-	·74	-	·90		12
13	-	-	·13	-	·20	-	1·10	·20	·05	·62	·57	-		13
14	1·55	-	·30	-	Tr.	-	·14	·06	-	·45	1·23	Tr.		14
15	·04	-	·71	·03	·04	·02	·13	1·15	-	·96	·27	Tr.		15
16	·01	·04	·48	·06	·15	·75	-	·33	-	·42	·07	-		16
17	·06	Tr.	·25	-	Tr.	1·11	·03	1·09	·58	·02	Tr.	·01		17
18	·01	-	·13	Tr.	-	·47	Tr.	1·17	-	Tr.	·23	·06		18
19	-	Tr.	·50	Tr.	-	·18	·03	·15	·29	-	·43	·01		19
20	-	·15	-	·01	·45	Tr.	-	·62	·16	Tr.	Tr.	Tr.		20
21	-	Tr.	-	-	-	·06	-	·61	·01	Tr.	-	Tr.		21
22	-	-	-	-	·70	·55	-	·17	-	·09	-	-		22
23	-	-	-	·17	-	·02	-	·07	·04	Tr.	-	-		23
24	-	1·15	-	·49	·20	·06	·18	·03	·19	·01	·02	Tr.		24
25	-	2·61	-	·15	·02	Tr.	·17	Tr.	·38	-	-	·12		25
26	-	1·63	-	·45	·01	-	Tr.	-	·08	·43	-	·25		26
27	-	·24	-	-	·64	-	·19	-	-	·04	·01	Tr.		27
28	-	·09	Tr.	·15	Tr.	-	·23	1·52	·01	·20	·01	Tr.		28
29	-	×	·14	·24	·02	-	·32	·03	-	·12	-	-		29
30	·08	×	-	·05	-	-	2·16	Tr.	-	·31	-	·13		30
31	4·45	×	-	×	Tr.	×	·01	·75	×	·09	×	·35		31
TOTAL	13·90	13·47	7·28	3·11	4·41	4·54	8·92	8·67	1·79	8·19	3·72	2·04	Year's Total 80·04	
*Days with ·01 in. or more.	18	18	16	15	18	13	18	18	10	19	13	11	187	
*Days with ·04 in. or more.	14	16	15	13	14	10	15	16	8	17	8	7	153	

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*See Instruction 2 (*f*) on other side.

M

† Spare column, no entries required.

(*Signed*) George Scott

[P.T.O.

Ex Ag

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3633.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

Kept at "The Moraine" Borrowdale
in the County of Cumberland
Diameter of Funnel of Gauge 5" in.
Height of top of Gauge above Ground 1 ft. – in.
,, Ground ,, Sea Level 330 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·10	–	1·22	–	–	–	–	·72	Tr.	Tr.	–	·75		1
2	2·00	Tr.	·21	Tr.	–	–	–	·94	·56	–	·58	·40		2
3	2·15	–	·22	–	Tr.	–	–	·07	·11	·56	·56	·35		3
4	1·02	–	·30	–	·18	–	–	·02	·50	1·01	Tr.	·95		4
5	·09	·01	·14	Tr.	·83	–	–	·18	–	·24	–	·47		5
6	3·33	·02	·05	·09	1·50	Tr.	–	·29	·35	1·81	–	·08		6
7	1·26	·29	·20	·27	·03	Tr.	–	Tr.	·07	·39	·03	·88		7
8	Tr.	·04	·03	–	·09	·01	–	·18	·41	·49	–	2·01		8
9	1·10	·05	·15	·28	Tr.	–	–	·30	Tr.	·46	·41	·44		9
10	1·34	–	·16	·03	–	–	–	1·16	·49	·24	·09	·08		10
11	1·31	Tr.	·08	·89	–	–	–	·49	·07	·11	·10	·74		11
12	·20	Tr.	·17	1·25	Tr.	–	Tr.	·04	Tr.	·12	–	·28		12
13	·78	–	Tr.	·15	·33	–	·27	Tr.	–	·39	–	·18		13
14	·35	–	1·27	·56	·12	1·74	Tr.	–	–	·49	Tr.	·92		14
15	·82	–	·15	·19	1·82	Tr.	·41	·46	·08	·15	–	·37		15
16	2·60	–	1·53	·02	·26	–	·07	Tr.	·05	·06	–	·07		16
17	·40	–	·05	·40	·40	Tr.	·30	–	·90	·06	·02	1·22		17
18	·52	–	·22	·50	·35	1·45	Tr.	·24	·41	·01	–	1·78		18
19	–	·01	·05	·03	1·80	·29	·01	·20	·81	·79	·03	·09		19
20	·07	·03	Tr.	·88	1·06	·09	Tr.	1·47	·28	·45	–	·06		20
21	·06	·01	·12	–	·22	·67	–	1·44	·29	1·46	·05	–		21
22	·15	–	·04	·02	·09	·25	Tr.	·72	1·05	·46	Tr.	·01		22
23	·08	–	·04	·70	–	·02	·10	·57	Tr.	·63	·21	·17		23
24	–	·55	–	·23	·13	·01	·05	–	·08	·93	Tr.	Tr.		24
25	·66	Tr.	·43	·18	Tr.	Tr.	·38	–	1·16	1·70	·28	1·50		25
26	·27	–	·12	·29	–	·62	·26	–	1·65	1·82	·01	·75		26
27	–	–	–	Tr.	–	·44	·38	·13	·19	·72	·02	1·23		27
28	–	–	–	Tr.	Tr.	·17	·28	1·79	·12	·73	·01	·40		28
29	–		Tr.	–	–	–	·30	·77	·23	·23	–	·63		29
30	·32	✕	–	–	–	–	·07	·04	3·49	·43	Tr.	1·26		30
31	·02	✕	–	✕	–	✕	Tr.	·03	✕	Tr.	✕	·45		31
TOTAL	21·00	1·01	6·95	6·96	9·21	5·76	2·88	12·25	13·35	16·94	2·40	18·52	Year's Total. 117·23 ✓	
* Days with .01 in. or more.	25	9	23	19	16	12	13	23	23	28	14	29	234	
* Days with .04 in. or more.	24	4	22	15	15	9	12	21	23	27	8	28	208	

† Spare column, no entries required.

(*Signed*) George Scott

40-9999

* See Instruction 2 (f) on other side.

[P.T.O.

Ex ag

Section **A** for the entry of Daily Observations.

COPY FOR OFFICIAL USE.

Station No. 3633

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

Kept at Borrowdale. The Moraine

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

,, Ground ,, Sea Level 33 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·10		1·22					·72				·75		1
2	2·00		21					·94	·56		·58	·40		2
3	2·15		22					07	·11	·56	·56	·35		3
4	1·02		30		·18			·02	·50	1·01		·95		4
5	09	·01	14		83			18		24		47		5
6	3·33	02	05	·09	1·50			·29	35	1·81		·08		6
7	1·26	29	20	27	·03				07	·39	·03	·88		7
8		·04	·03		·09	·01		18	41	49		2·01		8
9	1·10	05	15	28				·30		46	41	44		9
10	1·34		16	·03				1·16	49	24	·09	·08		10
11	1·31		08	89				49	·07	11	10	74		11
12	20		17	1·25				·04		12		28		12
13	78			·15	33		·27			39		18		13
14	35		1·27	56	12	1·74				49		·92		14
15	82		15	19	1·82		41	46	·08	15		37		15
16	2·60		1·53	·02	26		07		05	06		·07		16
17	40		05	·40	40		·30		90	06	02	1·22		17
18	52		22	·50	35	1·45		24	41	·01		1·78		18
19		·01	05	·03	1·80	29	01	·20	81	79	·03	·09		19
20	·07	03		·88	1·06	·09		1·47	·28	45		06		20
21	06	01	12		·22	67		1·44	29	1·46	05			21
22	15		04	02	09	25		·72	1·05	46		·01		22
23	08		04	·70		02	·10	·57		63	21	·17		23
24		55		23	13	·01	05		·08	93				24
25	66		43	18			38		1·16	1·70	28	1·50		25
26	27		12	29		·62	26		1·65	1·82	·01	75		26
27						44	·38	13	19	72	02	1·23		27
28						17	·28	1·79	12	73	·01	40		28
29							30	77	23	23		·63		29
30	·32	×					07	04	3·49	43		1·26		30
31	02	×		×		×		03	×		×	45		31
													Year's Total	
TOTAL	21·00	1·01	6·95	6·96	9·21	5·76	2·88	12·25	13·35	16·94	2·40	18·52	117·23	
*Days with ·01 in. or more.	25	9	23	19	16	12	13	23	23	28	14	29	234	
*Days with .04 in. or more.	24	4	22	15	15	9	12	21	23	27	8	28	208	

40-9999

*See Instruction 2 (*f*) on other side.

M

† Spare column, no entries required.

(*Signed*) G. Scott Esq.

[P.T.O.

COPY FOR OFFICIAL USE.

Section A for the entry of Daily Observations.

Station No. 3633

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

acc

Kept at Borrowdale, The Moraine

in the County of Cumberland

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

,, Ground ,, Sea Level .... ft.

TL

~~Dec. 24th heavy snowfall.~~

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·78	1·22	·05		–		·09		2·10	·07	·28	·31		1
2		·05				·08			3·18	·54	·41	·06		2
3	·10	·73	·18	·34		·13	·08		·25		·78	·46		3
4		·18	·29	·01		·23	·90		·12	06	·01	·09		4
5		·53	·07			·18	·01		·19	·10	·35	33		5
6	·08			·01		1·01				08	·76			6
7	·03			·51		·28				1·68	·02	67		7
8				·50		·73		·18		·09	·17	·09		8
9	·10	06		1·67						1·52	·38			9
10	·09	·48		·13		·21		02		·66	·01			10
11	1·03	·94		·09		·74		31		·48	·87			11
12		97				·21			·42	·08	·04			12
13	·13	·19		·11	·52	·09			·49	1·17	·60			13
14		18		·02		40		·03	·45	·01	·31	·43		14
15		3·61		·39	·17	·01			1·17	·97	·23	·19		15
16		2·64	07	1·34	·47	·18	·45	·28	1·33	·01	·22			16
17		·14		·01	·02	·24	·02	·02	·25	·45	·50			17
18		1·71	·03		·01		·13		2·26	1·25	·01			18
19		2·86		26	·02	24	1·73		·26	·67	·50			19
20		1·84		·88		·13			·04		·08			20
21		·30	·70	·24					·96	·41	·01			21
22		·23	·42	·09					·08		·01			22
23	19	·12	·44	·06		·27		·08	·06	·35				23
24	·89	·80	·09						·55	·01				24
25	·34		·14			08	·03	·05		·02	1·09			25
26		·29				·45	·06	2·09	15	·90	·02			26
27		·57				·26	·72	02	·32	1·60	1·99			27
28	·03	·14				·01		·11	·56	1·32	·24	2·55		28
29			·12					·96	1·25	1·38	·11			29
30		×				·41		1·29	1·47	1·47	1·30			30
31	·47	×	01	×		×		03	×	·38	×			31
TOTAL	4·26	20·78	2·61	6·66	1·21	6·57	4·22	5·47	17·91	17·73	11·30	5·18	Year's Total 103·90 ~~85·90~~	
*Days with ·01 in. or more.	13	24	13	18	6	23	11	14	23	28	28	17	218	
*Days with .04 in. or more.	11	24	11	14	3	21	8	9	23	24	21	15	184	

† Spare column, no entries required.

(*Signed*) G. Scott

[P.T.O.

40-9999

*See Instruction 2 (*f*) on other side.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3633

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1936.

Kept at Borrowdale, The Moraine

in the County of Cumberland

Diameter of Funnel of Gauge ...... in.

Height of top of Gauge above Ground ...... ft ...... in.

,, Ground ,, Sea Level ...... ft.

Copy by B.R.O.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·05	·11	·02	·01		·01	·89	1·05	·15	–	·42	·45		1
2	·20	·07						·49	·36	–	·14	·10		2
3		·03				·46		·19	·58	–	·07	·60		3
4	2·60	·01	·63				·15	·60	1·42	–	1·02	·66		4
5	1·06		·25		·01	·05	·02	·53	1·01	–	1·03	1·32		5
6	·49		·03				·60	·22	1·03	–	1·06	–		6
7			·50				·04		1·34	–	2·80	·38		7
8	·59		·34							–	·60	–		8
9	2·28		·14			·05	·13	·02	·16	–	·72	tr		9
10	1·35						·41	·01	·04	–	1·24	–		10
11	·14			·06		·07	·35	·12	·39	·01	1·00	1·06		11
12				·04		·03	·22		·47	TR	·22	·83		12
13				·17	·09		·24		·05	·65	·29	3·11		13
14				·11		1·03	·21	·09	·63	·05	·94	·88		14
15				·04	·01	1·02	·11	·23		·08	1·02	2·17		15
16	·01	·05	·17	·02	·40	1·15	·04			·77	·57	·03		16
17	·29	1·34	·04	·06	·03	·07	·34	·33		1·49	·13	1·84		17
18		1·11		·04	·01		·47	·41		1·34	·07	·06		18
19	·08	·35	·03			·04	·64	·21		·18	–	·27		19
20	·85	·59	·25				·22			·16	–	·98		20
21	·64	·11	·37			·12		·03		·25	–	·35		21
22	·30	·08	·05	·07		1·64	·34			·10	–	·95		22
23	·04	·48	·18	·44		·01	2·23			·34	–	·02		23
24	·07			·85	·48		1·24		·93	4·57	·04	–		24
25	·37	·03		·09			·88		·51	·67	–	–		25
26	·82	·26	·35	·35			·10		·19	·76	–	–		26
27	·86	·06	·07							·26	tr	–		27
28	·02	·30	·61	·05	·05	·01				·01	·05	tr		28
29	·07	·36	1·84		·03	·76				·42	·33	·09		29
30	·18	×	·31			·10	·79	·06		·18	·06	2·75		30
31	·10	×	·27	×	·07	×	·14	·01	×	TR	×	·73		31
TOTAL	13·46	5·34	6·45	2·40	1·18	6·62	10·85	4·60	9·26	12·29	13·71	19·83	Year's Total. 105·79	
* Days with .01 in. or more.	24	17	20	15	10	17	24	17	16	19	22	22	223	
* Days with .04 in. or more.	22	14	17	13	5	13	23	13	16	17	21	20	194	

40-9999

† Spare column, no entries required.

(*Signed*) G. Scott

* See Instruction 2 (f) on other side.

P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3633

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

Copy by B.R.O.

FORM 1090.

REGISTER OF RAINFALL IN 1937.

Kept at Borrowdale, The Moraine

in the County of Cumberland

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft.........in.

,, Ground ,, Sea Level ....ft.

part Sept adj for mis-entry by sur. stns.

Mar. corrected for Arith.

corr. 7. sent for Dec 17.1.38

Daily values to be examined at end of year for W.D. etc. cf. Watendlath Farm

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

feb.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ✓

Adjusted by nearby stations 14.2.38

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	(·10) ~~·49~~	–	(·36)	–	–	–	·91	–	1·05	·20	~~·90~~	·26		1
2	·65	+	(·17) ~~·36~~	– +	–	~~·14~~	·59	–	·05	–	~~·39~~	·06		2
3	·30	+ 2·13	(·14) ~~·17~~	+ ·48	–	·38	·40	–	·01	–	–	·07		3
4	(1·00)	~~·56~~	(·03) ~~·14~~	·10	·39	·89	·02	–	1·24	–	·02	·50		4
5	(1·75)	–	~~·03~~	+	·09	1·84	·45	–	2·72	–	–	·19		5
6	(·02) ~~·25~~	–	–	+ ·32	·13	·43	·14	–	·40	–	–	~~·005~~		6
7	–	·05	–	·26	~~·26~~	·01	~~·005~~	–	·50	–	–	·04		7
8	·14	·27	–	·45	–	·40	·20	– +	·06 ~~·36~~	–	–	–		8
9	(·20) ~~2·04~~	·36	–	·97	–	·09	·44	– +		–	–	–		9
10	·09	(·45)	–	–	·08	–	·02	·33		–	–	·26		10
11	(·70)	~~·45~~	+	–	–	·03	–	–		–	–	·05 ~~·26~~		11
12	(2·58) ~~1·00~~	+	+ ·30	(·09) ~~·59~~	–	·04	·03	·45	·18	–	–	+		12
13	~~·31~~	+ ·37	–	–	–	·32	·08	·74	·01	–	–	+ ·50		13
14	~~2·58~~	·17	·25	–	–	–	·34	·29	·42	·03	–	·25		14
15	+	(1·00) ~~·76~~	–	–	–	–	–	–		·04	–	·01		15
16	(1·00) +	(·56) ~~·40~~	–	(·05) ~~·50~~	–	–	–	·82	·75	–	–	–		16
17	~~1·70~~	(·05) ~~·65~~	1·52	·24	–	–	–	·05		–	–	–		17
18	(3·00) ~~2·00~~	(·52) ~~·70~~	·18	(·03) ~~·36~~	·01	–	–	·49	·42	–	(·66)	–		18
19	~~·24~~	(·46) ~~·58~~	·33	·50	·40	·05	–	·05		–	(·66)	–		19
20	(2·70) ~~·45~~	(·10) ~~·46~~	–	·40	·05	·06	·84	–		–	(·20)	·17		20
21	(1·00)	(·75) ~~·39~~	+ ·28	+ ·15	·18	–	~~·16~~	–	·02	(·25)	~~·66~~	1·00		21
22	·35 ~~·05~~	·15	+	+ ~~·21~~	1·66	·05	·30	–	~~·30~~	(·50)	·0 ·29	·93		22
23	(·50 ~~·34~~)	–	+ –	~~·10~~	·11	–	·31	–		–	·09	·49		23
24	(·25)	·53	·20	–	·14	–	·05	–	+ ·27	1·14	–	·54		24
25	(·05) ~~·10~~	1·61	·21	–	–	–	–	·05		(0·90) ·33	·03	·06		25
26	–	·63	+	–	·23	–	–	–	~~·27~~	·45	·03	–		26
27	–	·15	–	–	·01	·03	·05	–	·01	+ ·36	–	·02		27
28	~~·50~~	–	–	·11	–	·34	–	–	·09	+ [illegible]	(·30)	–		28 nr
29	–	–	–	–	–	·04	–	–		·09 ~~·90~~	(·3) ·84	–		29 to
30	(·10)	✕	–	–	–	·12	–	·09		(·22)	·67	–		30 wrong adjusted
31	(·50)	✕	–	✕	–	✕	–	1·27	·44 ✕	(·39)	✕		74·38	31
TOTAL	(17·38) ~~12·69~~	(9·71) ~~12·11~~	3·97 ~~4·33~~	(4·15) ~~6·68~~	3·48 ~~3·78~~	(4·46) ~~6·26~~	5·17 ~~5·34~~	4·63	(8·64) ~~9·39~~	(4·90) ~~3·41~~	(2·49) ~~3·12~~	(5·40) ~~4·[illegible]~~	~~76·38~~ ~~76·45~~	([illegible])
* Days with .01 in. or more.	17	20	12	16	14	18	18	~~12~~ 12	19	8	10	19	183	
* Days with .04 in. or more.	17	20	11	16	12	15	15	~~12~~ 12	16	7	7	16	164	

40-9999.

† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(*Signed*) ....

[P.T.O.

Circ. amt for Jan.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3633

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

Kept at Borrowdale The Moraine

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. in.

,, Ground ,, Sea Level 330 ft.

Ave 97·5

July corr by observer – see file.

92·62 / 30 ~~[illegible]~~

Copy by B.R.O.

Written re Dec total.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	~~2·00~~	·39	08	·07		1·13	·02	—	13	—	·34	·53		1
2	·01	·08		·90		1·03	·01 ~~·005~~	—	·03	2·99	·36	·26		2
3	—	·24				·10	·81	—	·65	3·86	·88	—		3
4	—	·14		·28		·30	·17	—	—	·61	·08	1·69		4
5	·10	·07		·08		·53	·26	—	·05	·98	·02	·08		5
6	·86	·005		·08		1·55	·07	—	·61	3·49	·33	·19		6
7	·11	—					1·00	·59	·005	·50	·50	·15		7
8	·44	·64				·03	·30	·21	—	2·91	·77	·13		8
9	·35	·85	·05		·02	·14	·09	—	—	·18	—	1·17		9
10	·01	·06	·19			·50	·50	—	—	·12	—	·31		10
11	·41	·09			·67	·01	·55	·08	·06	2·40	·74	·70		11
12	1·07	—			·68		·01	—	·32	·62	3·50	·18		12
13	·03	—			·66		1·62	·01	·005	·16	8 ·67	·23		13
14	2·50	—			·18		·20	—	—	·71	—	·04		14
15	1·84	—	2·63		·32		·03	·81	—	·25	—	1·05		15
16	·61	—	·13		·28		—	1·65	1·50	1·54	·10	·01		16
17	—	—	·73		·48		·06	·88	1·89	1·02	·14	—		17
18	·85	—	·45			·15	—	1·4	·10	·94	1·07	—		18
19	·07	—	1·60			·02	·01	·5	·01	—	·40	—		19
20	2·09	—	1·09				—	·46	·19	—	·01	—		20
21	—	—	·30		·06	·15	—	·56	·28	·005	·34	—		21
22	·11	—		·01	·07	·04	—	—	—	—	·89	—		22
23	·46	—	·13		·70	·49	—	·06	—	—	·67	—		23
24	·75	·13	88		·08	·86	—	·07	·48	·15	·90	—		24
25	·29	·85	·10		38	·06	1·21	—	—	·11	·25	—		25
26	·32	·65	·14		1·44	1·87	·17	·18	·01	·63	·15	—		26
27	·69	·36	·005		·36	1·29	·99 ~~17~~	—	—	·04	1·02	·01		27
28	·83	·63	·22		·60	3·10	·99	—	·08	·14	·35	—		28
29	·12	X	·17		·23	1·20	5·60 ~~·17~~	—	·06	·10	1·08	·12		29
30	·42	✕	·02		·50	·49	2·56 ~~15·60~~	—	—	·20	·96	·96		30
31	·95	✕	·03	✕	·22	✕	·08 ~~2·56~~	—	✕	1·52	✕	·19		31
TOTAL	6 16·29	5·185	8·945	1·42	7·84	15·04	·32 16·~~405~~	~~7·49~~ 7·46	6·46	26·175	16·72	8 ~~7~~·03	Year's Total 3 1~~2~~5·91	
* Days with .01 in. or more.	26	15	18	6	19	22	23 ~~22~~	14	18	25	26	19	231	
* Days with .04 in. or more.	23	14	16	5	18	19	18	13	14	25	24	17	206	

Passed SB 25/4/39

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(Signed) W. Boustead

[P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3633

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at Borrowdale, The Moraine

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. ...in.

" Ground " Sea Level 330 ft.

Mar. corr'd for arith.
May
Jan
Dec:

Copy by B.R.O.

amd: on 16.1.39 [illegible]

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following
3.6.40

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	.97	–	2.95	.08	-	-	.32	.17	.50	-	–	2.25		1
2	.42	–	1.24	.08	-	–	1.38	.91	.40	-	–	.28		2
3	-	–	.11	.05	-	–	.08	.04	.60	-	.32	1.07		3
4	–	.40	1.38	–	.09	–	.32	-	.38	.03	–	.06		4
5	–	.86	.12	–	.30	–	1.04	-	-	.68	1.08	-		5
6	.50	1.20	.15	–	–	–	.80	-	-	.01	.55	-		6
7	2.95	1.72	.60	–	.01	–	.47	.01	-	–	.45	.26		7
8	2.50	3.64	.55	.75	-	–	.83	.32	.30	.14	1.09	.33		8
9	.59	1.05	–	.17	-	–	.13	.97	-	1.08	.18	1.17		9
10	.03	.50	.01	–	-	.50	–	.84	1.80	1.53	.02	.63		10
11	.18	.69	.59	-	-	.46	–	.33	-	.26	.02	-		11
12	.22	.22	–	.48	-	.01	.15	.05	-	–	.03	-		12
13	.13	–	–	.77	.2	.03	1.37	-	.07	.08	1.51	-		13
14	2.45	–	.08	.52	.41	1.01	.25	-	-	-	1.22	-		14
15	1.13	.14	.07	1.29	-	1.41	.28	-	-	-	.48	-		15
16	(2.10) ~~1.09~~	.27	.03	.10	.01	–	.12	-	-	-	.14	-		16
17	.65	.72	.02	.02	-	.81	.07	-	-	-	.13	-		17
18	.36	.39	.09	–	–	.11	.32	-	-	-	.5	-		18
19	.07	–	–	–	-	–	.12	-	-	-	–	-		19
20	.20	.18	.07	–	.005	.18	–	-	-	-	–	-		20
21	.11	2.00	.69	.34	.05	–	–	.24	-	-	–	-		21
22	.51	.55	.32	.25	-	–	.03	-	-	.14	1.76	-		22
23	.20	.62	.04	.37	-	.13	.80	-	-	.24	–	-		23
24	.02	.82	–	.20	-	.02	–	-	-	-	.23	.02		24
25	.27	.18	–	.24	-	–	–	-	.02	-	3.01	-		25
26	.02	.13	–	–	.07	–	–	.24	-	.35	.06	-		26
27	–	.71	.04	–	-	.93	.04	.08	-	.06	.48	-		27
28	–	.24	–	–	-	1.83	3.24	-	-	-	.7	.11		28
29	–		.15	.12	-	.43	.62	-	-	.25	1.19	-		29
30	–	✕	–	–	-	.07	.94	-	-	.01	2.26	-		30
31	–	✕	–	✕	-	✕	1.02	-	✕	–	✕	-		31
TOTAL	~~[illegible]~~ 16.58	17.23	3 9.~~2~~0	5.83	1.15 ~~1.325~~	7.93	14.74	4.20	4.07	4.86	19.03	8 6.1~~6~~	Year's Total 111.18 ~~40.09~~	
stet. * Days with .01 in. or more.	23	22	21	17	8	15	24	12	8	14	23	10	197	
* Days with .04 in. or more.	20	22	18	16	6	12	23	11	7	11	20	9	175	

* See Instruction 3 (f) on other side.

W. Bonstead, Esq.

† Spare column, no entries required.

(Signed) ~~Frank~~ Bainbridge

[P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 36 ~~28~~ 33 ✓

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1050

REGISTER OF RAINFALL IN 19~~3~~40

Kept at Borrowdale (The Moraine)
in the County of Cumberland
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft. 0 in.
,, Ground ,, Sea Level 330 ft.

Jan. corr. for snow.
Feb corr'd for arith.
Aug. Total corrected for arithmetic.
Oct. & Nov. totals corrected for arithmetic.
Dec. tot. corr. for arith.

BRITISH RAINFALL ORGANIZATION

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	-	-	-	.88	—	—	.10	—	-	-	.37	.90		1
2	-	-	-	.24	—	—	.46	-	-	-	2.00	.37		2
3	-	.10	-	.07	—	—	.29	—	-	-	—	.29		3
4	-	1.20	-	.22	—	—	.24	.01	.09	.32	.01	.88		4
5	-	—	-	-	.27	—	.20	.01	-	2.55	.30	1.69		5
6	-	—	-	.05	.04	—	.10	—	—	.50	-	-		6
7	05	.10	-	1.07	—	—	-	.25	.49	.11	-	.32		7
8	-	-	.21	-	—	—	.14	.70	.04	3.13	1.15	-		8
9	-	-	.47	-	—	—	1.62	1.59	.66	2.50	.75	.48		9
10	-	-	.09	-	—	—	.88	.82	.005	.15	1.00	.33		10
11	-	-	2.56	.11	—	—	1.14	—	.02	.05	1.68	-		11
12	—	-	1.14	-	-	—	.06	-	1.17	.10	.43	.23		12
13	—	-	.03	.06	.03	—	06	.11	.72	-	.42	-		13
14	—	-	.15	.62	—	—	-	.30	.08	01	.20	1.50		14
15	-	-	.05	.04	.27	—	.68	—	—	.26	.56	1.04		15
16	-	-	.16	-	—	—	.82	.07	3.30	.23	.07	.62		16
17	-	-	.26	-	—	—	.14	—	1.05	05	.18	.27		17
18	(80)	-	1.32	-	—	—	.79	.45	.97	-	.02	1.50		18
19	(20)	.18	1.07	42	—	—	.30	—	.47	-	1.61	-		19
20	-	.02	1.13	.43	—	—	.15	.65	—	.27	.52	-		20
21	-		.23	09	—	.66	.03	.05	.66	-	.04	-		21
22	-	.39	.20	-	—	.28	—	.08	.08	.04	-	-		22
23	-	.25	26	.24	.04	—	.16	—	.16	-	.46	-		23
24	~~2.1~~(30)	.03	.06	.01	—	.03	.32	.02	-	-	.02	-		24
25	.11	—	-	-	.60	.30	—	.05	-	-	.40	-		25
1·72 26	.16	.55	-	-	.03	.02	-	.40	.02	-	.50	-		26
27	(.60)	.62	-	-	.10	-	.04	—	-	-	.12	-		27
28	.35	.13	-	-	.61	-	.06	.27	-	-	-	.39		28
29	(.20)	-	.67	.22	—	-	04	—	-	.11	-	.75		29
30	-	✕	.27	-	—	.21	-	—	-	.60	.02	.45		30
31	-	✕	1.85	✕	—	✕	-	.05	✕	.32	✕	-		31
TOTAL	2.77	3.57 ~~3.47~~	12.18	4.77	1.99	1.50	8.82	8 5.87	9.985	11.30 ~~11.29~~	12.83 ~~12.80~~	12.01 ~~11.78~~	Year's Total 87.60	
* Days with .01 in. or more.	9	11	20	16	9	6	24	18	16	18	24	17	188	
* Days with .04 in. or more.	9	9	19	15	7	4	23	15	14	17	20	17	169	

† Spare column, no entries required.

(Signed) W. Boustead

* See Instruction 3 (f) on other side.

P.T.O.

3313

FORM 1090. **B** M S

3313

ECCUP
1931 — 40

780604

*** **The following register of mon &c., is NOT required if daily values are given on the other**

and also the space for

egister should be sent:—

RAINFALL IN 193

At Eccup

In the County of Yorksh

Rain Gauge
Diameter of Funnel 8"
Height of Top above Ground .... *ft*
Height of Ground above Sea Level

in Summer

Direction from gauge

Direction from gauge

Directions from gauge ..

Month.	Total Depth.	Greatest Fall in 24 hours.			
	Inches.	Inches.	Date.		
JAN.	2·06	·36	29 & 31	25	13
FEB.	2·51	·36	15	25	21
MAR.	·70	·27	9	11	6
APRIL	3·60	·53	2	19	16
MAY	2·94	·53	24	21	14
JUNE	5·02	·85	2	20	15
JULY	3·67	·75	12	23	18
AUG.	3·66	·72	5	16	11
SEPT.	4·89	2·12	4	17	9
OCT.	1·17	·34	29	18	9
NOV.	4·99	·75	18	27	14
DEC.	1·47	·24	3 & 5	23	9
Total	36·68			245	155

Signature

LEEDS CORPORATION
14 JAN 1932
WATERWORKS DEPT.

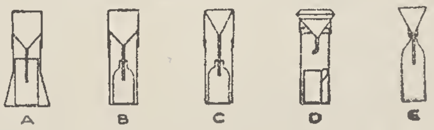
*See Instruction 2(f) below.

If gauge has been moved during the year state—

Date of move........ Distance........ Direction........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 / 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

M.
15 JAN 1932

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(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

3313

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1931

At Eccup

In the County of Yorkshire

Rain Gauge
Diameter of Funnel 8" in.
Height of Top above Ground ...... *ft* ...... *in.*
Height of Ground above Sea Level 375 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	2·06	·36	29 & 31	25	13
FEB.	2·51	·36	15	25	21
MAR.	·70	·27	9	11	6
APRIL	3·60	·53	2	19	16
MAY	2·94	·53	24	21	14
JUNE	5·02	·85	2	20	15
JULY	3·67	·75	12	23	18
AUG.	3·66	·72	5	16	11
SEPT.	4·89	2·12	4	17	9
OCT.	1·17	·34	29	18	9
NOV.	4·99	·75	18	27	14
DEC.	1·47	·24	3 & 5	23	9
Total	36·68			245	155

Signature ......

LEEDS CORPORATION
14 JAN. 1932
WATERWORKS DEPT.

*See Instruction 2(f) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:— ......

Hour of observation by the clock—in Winter ...... in Summer ......

Nearest Railway Station ...... Distance ...... Direction from gauge ......

Nearest Parish Church at ...... Distance ...... Direction from gauge ......

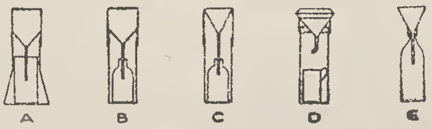
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move ...... Distance ...... Direction ......

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



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NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

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(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

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(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

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M.O.
15 JAN 1932

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*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1932

At Eccup

In the County of Yorkshire

Rain Gauge

Diameter of Funnel 8 in.

Height of Top above Ground ...... ft ...... in.

Height of Ground above Sea Level 375 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	2·17	·72	6	21	10
FEB.	·42	·11	9	17	3
MAR.	1·82	·40	22	15	9
APRIL	2·75	·32	7	26	19
MAY	5·11	1·42	21	24	19
JUNE	·67	·50	30	5	2
JULY	3·25	·80	11	21	16
AUG.	1·64	·67	20	10	4
SEPT.	2·38	·77	2	21	12
OCT.	3·68	·70	21	25	14
NOV.	2·23	·38	30	23	13
DEC.	1·23	·26	3	19	11
Total	27·35			227	132

Signature ......

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:— ......

Hour of observation by the clock—in Winter ...... in Summer ......

Nearest Railway Station ...... Distance ...... Direction from gauge ......

Nearest Parish Church at ...... Distance ...... Direction from gauge ......

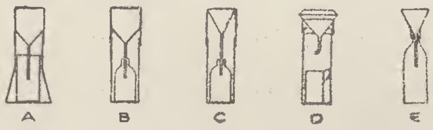
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move ...... Distance ...... Direction ......

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:— ......

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

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(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

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(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{c}17\\18\end{array}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

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3313

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B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1933

At Eccup

In the County of Yorkshire

Rain Gauge
- Diameter of Funnel 8" in.
- *Height of Top above Ground* ...... *ft* ...... *in.*
- *Height of Ground above Sea Level* 375 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	2·04	·83	15	19	9
FEB.	6·06	2·25	25	18	14
MAR.	2·13	·47	17	20	11
APRIL	2·23	·89	30	14	10
MAY	2·50	·56	6	19	14
JUNE	1·43	·42	18	10	9
JULY	2·42	·68	8	15	9
AUG.	·58	·13	20	14	5
SEPT.	1·70	·83	24	12	7
OCT.	3·59	·86	7	25	12
NOV.	2·88	·98	15	25	11
DEC.	·60	·14	8	13	7
Total	28·16			204	118

Signature Leeds Corporation.

*See Instruction 2 (*f*) below.

C Particulars of Station.

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Nearest Railway Station ...... Distance ...... Direction from gauge ......

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Heights of objects				
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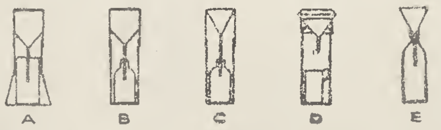

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(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\begin{array}{c|c|}17 & \\ 18 & \end{array}\!\!\left.\right\}\cdot 14\,\Big|$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(506) Wt.24107/1845 15000 3/33. Gp. 119/110.

D

FORM 1090.

3313

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1934.

At Eccup

In the County of Yorkshire

Rain Gauge
- Diameter of Funnel 8" in.
- *Height of Top above Ground* ft 9" *in.*
- *Height of Ground above Sea Level* 375 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	2·09	·38	18	17	13
FEB.	·40	·21	27	11	3
MAR.	2·21	·50	10	22	14
APRIL	3·20	·52	25	19	13
MAY	1·33	·34	6	14	9
JUNE	1·97	·66	8	13	10
JULY	2·67	·76	13	11	8
AUG.	1·32	·24	5th and 29th	18	10
SEPT.	2·05	·55	29	17	12
OCT.	2·29	·30	27	25	14
NOV.	2·19	·70	9	15	11
DEC.	5·43	·62	5	30	22
Total	27·15			212	139

Signature Harry Shotread

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

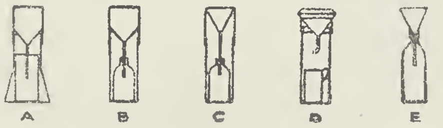
Nature of objects nearest to gauge				
Height of objects				
Distances				
Directions from gauge				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

- (a) Is it known that the gauge was empty at the beginning of the measured rainfall?
- (b) What note was made of the times of beginning and end of this fall?
- (c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

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(*a*) *Rain should be measured each morning, preferably at* 9 *a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.* 9 *a.m. Greenwich Mean Time is* 10 *a.m. by the clock during Summer Time Period.*

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

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(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

No. 7
JAN 1935

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(586) Wt.283/202 16,000 5/34. Gp.119/110.

FORM 1090. **B** Monthly Summary.

C Particulars of Station,

/ 3313

** **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1935.

At *Eccup*

In the County of *Yorkshire*

Rain Gauge
- Diameter of Funnel 8 in.
- *Height of Top above Ground* ft. 9 in.
- *Height of Ground above Sea Level* 375 ft.

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	1·29	·25	1	16	9
FEB.	2·64	·49	24	17	14
MAR.	·96	·21	23	12	8
APRIL	1·80	·34	15	18	12
MAY	·92	·55	17	5	5
JUNE	2·78	·50	12	18	16
JULY	·44	·15	27	8	4
AUG.	1·43	·64	26	7	5
SEPT.	5·21	1·41	24	16	13
OCT.	5·31	1·05	4	21	19
NOV.	5·13	·76	17	26	22
DEC.	2·81	·46	27	19	15
TOTAL	30·72			183	142

Signature ....

*See Instruction 2 *(f)* below.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

....

Hour of observation by the clock—in Winter.................in Summer..................

Nearest Railway Station.................. Distance.................. Direction from gauge..................

Nearest Parish Church at.................. Distance.................. Direction from gauge..................

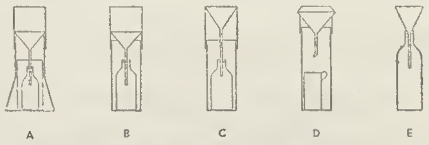
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.................. Distance.................. Direction..................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfull and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases; (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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Wt.3430/1699 15,000 2/35 W. H. & S. 668/91.

3313

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1936.

At Adel (Eccup East)

In the County of Yorks

Rain Gauge
Diameter of Funnel 8 in.
Height of Top above Ground ... ft. ... in.
Height of Ground above Sea Level 375 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	3·90	·86	19	21	20
FEB.	2·61	·72	22	13	10
MAR.	2·31	·44	22	19	14
APRIL	1·85	·45	1	12	8
MAY	2·29	·68	30	11	7
JUNE	4·47	·86	22	19	12
JULY	2·97	·63	23	19	13
AUG.	1·86	·77	6	10	8
SEPT.	2·67	·50	12	18	12
OCT.	2·02	·50	30	18	12
NOV.	2·93	·49	16	19	12
DEC.	2·06	·51	4	16	9
TOTAL	31·94			195	137

Signature Harry

*See Instruction 2 (*f*) below.

C Particulars of Station,

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Hour of observation by the clock—in Winter ... in Summer ...

Nearest Railway Station ... Distance ... Direction from gauge ...

Nearest Parish Church at ... Distance ... Direction from gauge ...

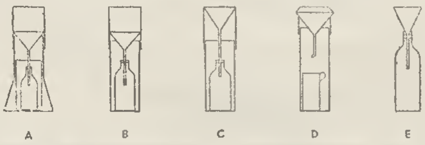
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state –

Date of move ... Distance ... Direction ...

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfull and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

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(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

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At Adel (Eccup East)

In the County of Yorks

Rain Gauge
- Diameter of Funnel 8 in.
- *Height of Top above Ground* ft. 9" *in.*
- *Height of Ground above Sea Level* 375 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	2·97	·48	18 and 31	23	19
FEB.	4·96	·85	27	21	19
MAR.	2·52	·96	11	20	14
APRIL	2·70	·52	16	17	12
MAY	2·59	·65	20	17	10
JUNE	1·85	·53	12	13	7
JULY	1·99	·95	15	12	8
AUG.	·73	·20	6	11	9
SEPT.	1·31	·70	17	10	6
OCT.	2·41	·92	23	10	7
NOV.	1·84	·41	19	14	9
DEC.	2·67	·33	4	23	17
TOTAL	28·54			191	137

Signature

*See Instruction 2 *(f)* below.

C Particulars of Station,

[illegible] FORM. VALUES [illegible] MONTHLY

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

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Date of move .... Distance .... Direction ....

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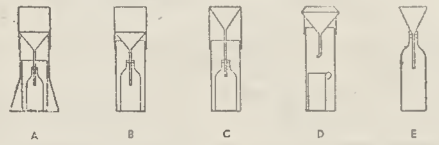

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NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

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3. The columns are so spaced that the entries can be made by a typewriter.

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Wt.3430/1699 15,000 2/35 W. H. & S. 668/91.

3313

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1938.

At Adel, Eccup, East

In the County of W. R. Yorks

Rain Gauge
- Diameter of Funnel 8 in.
- *Height of Top above Ground* ft. 9 in.
- *Height of Ground above Sea Level* 375 ft.

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	3·11	·40	8	24	17
FEB.	1·38	·70	26	9	8
MAR.	·22	·07	24	6	2
APRIL	·09	·07	2	2	1
MAY	3·69	·90	29	16	13
JUNE	2·00	·53	1	14	11
JULY	3·44	·68	16	18	14
AUG.	4·90	1·32	5	19	17
SEPT.	2·18	·70	30	18	12
OCT.	3·71	·91	3	22	16
NOV.	3·12	·47	25	20	15
DEC.	3·68	·61	31	24	18
TOTAL	31·52			192	144

Signature

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

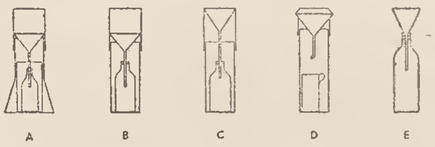
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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Wt.1046/3030. 26,000. 4/36. W. H. & S. 668/91.
S.O. Code No. 40-9999

3313

FORM 1090.

B Monthly Summary.

*The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939

At Adel, Eccup East

In the County of W. R. Yorks

Rain Gauge
- Diameter of Funnel 8 in.
- *Height of Top above Ground ft. 9 in.*
- *Height of Ground above Sea Level 375 ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	4·29	·67	14	23	17
FEB.	2·26	·78	27	17	14
MAR.	1·94	·30	16	17	12
APRIL	·91	·25	4	11	8
MAY	1·51	·54	7	7	7
JUNE	2·04	·37	28	16	13
JULY	5·29	·97	15	19	13
AUG.	1·69	·56	2	14	9
SEPT.	·94	·55	2	9	6
OCT.	1·99	·50	9	19	14
NOV.	3.51	·74	18	22	21
DEC.	1·72	·42	8	16	7
TOTAL	28·09			190	141

Signature

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

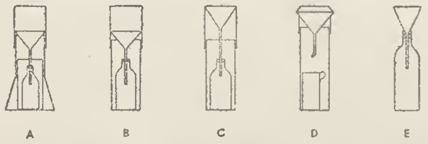
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(*a*) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9999

3313✓

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1940

At Adel, Eccup, East

In the County of W. R. Yorks.

Rain Gauge
- Diameter of Funnel 8 in.
- *Height of Top above Ground ......ft......in.*
- *Height of Ground above Sea Level* 375 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	2·79	·71	27	16	11
FEB.	2·12	·33	7	15	12
MAR.	2·16	·34	29	17	13
APRIL	3·35	·89	27	17	13
MAY	·80	·26	26	11	7
JUNE	·35	·12	21	7	3
JULY	4·89	1·27	10	19	13
AUG.	·38	·09	18/20	8	4
SEPT.	1·75	·34	22	17	12
OCT.	3·33	·58	31	21	15
NOV.	4·26	1·11	9	19	15
DEC.	2·43	·70	30	19	13
TOTAL	28·61			186	131

Signature ....

Engineer & Manager.

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :— ....

Hour of observation by the clock—in Winter.......... in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

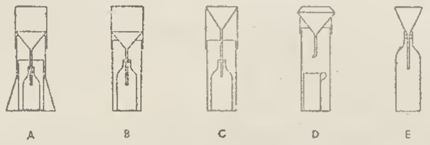
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address :— ....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 / 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9999

HELVELLYN (BROWN COV

3633/3.

CUMBERLAND.
HELVELLYN
BROWN COVE
1932 – 40
78 0703

(3633/3)
Cumb/2

FORM 1090. **B** Monthly Summary.

Station.

, **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

Thirlmere

RAINFALL IN 1932

Helvellyn (Brown Cove)

At Brown Cove

In the County of Cumberland

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 0 *in.*
Height of Ground above Sea Level 2250 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	20·50				
FEB.	·29				
MAR.	5·30				
APRIL	7·41				
MAY	6·18				
JUNE	6·52				
JULY	10·47				
AUG.	2·52				
SEPT.	9·31				
OCT.	13·66				
NOV.	5·94				
DEC.	18·81				
Total	106·91				

Signature Manchester Corpt, W.W

*See Instruction 2 (*f*) below.

this section and also the space for

ating to this register should be sent:—

R.O.

in Summer

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

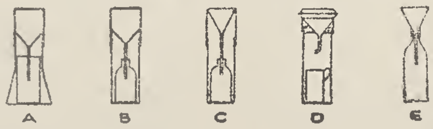
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

[illegible] installed on site selected by Mr [illegible] to check g. at Whiteside. No [illegible] was considered necessary.

print

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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N.

HELVELLYN (BROWN COV

3633/3

Cumb/2

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

Thirlmere

RAINFALL IN 1932

Helvellyn (Brown Cove)

At Brown Cove

In the County of Cumberland

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 0 *in.*
Height of Ground above Sea Level 2250 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	20·50				
FEB.	·29				
MAR.	5·30				
APRIL	7·41				
MAY	6·18				
JUNE	6·52				
JULY	10·47				
AUG.	2·52				
SEPT.	9·31				
OCT.	13·66				
NOV.	5·94				
DEC.	18·81				
Total	106·91				

Signature Manchester Corpt, W.W

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Copy by B.R.O.

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

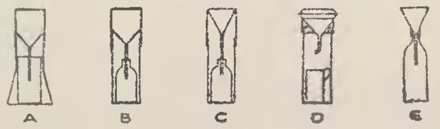
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

[illegible] installed on site selected by [illegible] to check f. at [illegible]. No [illegible] was considered necessary.

print

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

N

3633/3

FORM 1090.

B Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1933

At Helvellyn, Brown Cove

In the County of Cumberland

Rain Gauge

Diameter of Funnel .... in.

Height of Top above Ground .... *ft* .... *in.*

Height of Ground above Sea Level .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	13.16				
FEB.	7.19				
MAR.	6.86				
APRIL	3.63				
MAY	5.14				
JUNE	3.24				
JULY	8.80				
AUG.	5.99				
SEPT.	3.14				
OCT.	7.58				
NOV.	5.43				
DEC.	.91				
Total	71.07				

Signature Manchester Corpn. W.W.

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Heights of objects				
Distances				
Directions from gauge				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Copy by B.R.O.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(506) Wt.24107/1845 15000 3/33. Gp. 119/110.

FORM 1090.

B Monthly Summary.

3633/3

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1934

At Helvellyn (Brown Cove)

In the County of Cumberland

Rain Gauge
- Diameter of Funnel............in.
- *Height of Top above Ground............ft............in.*
- *Height of Ground above Sea Level............ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	16·45				
FEB.	·52				
MAR.	7·60				
APRIL	8·61				
MAY	8·20				
JUNE	3·62				
JULY	2·44				
AUG.	10·76				
SEPT.	14·04				
OCT.	12·29				
NOV.	3·71				
DEC.	21·39				
Total	109·53 XX·53				

Signature............

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter............in Summer............

Nearest Railway Station............Distance............Direction from gauge............

Nearest Parish Church at............Distance............Direction from gauge............

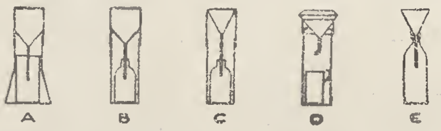
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move............Distance............Direction............

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Copied from Manchester Corpn Sheet

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(457) Wt.9673/738 16000 8/32. Gp. 119/110.

FORM 1090. **B** Monthly Summary.

3633/3

, The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1935.

At .. Brown Cove

In the County of Cumberland

Rain Gauge
- Diameter of Funnel.......................in.
- *Height of Top above Ground.........ft............in.*
- *Height of Ground above Sea Level..................ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	3.50				
FEB.	13.70				
MAR.	2.20				
APRIL	7.06				
MAY	·75				
JUNE	10.26				
JULY	4.11				
AUG.	4.78				
SEPT.	16.54				
OCT.	15.17				
NOV.	10.38				
DEC.	6.00				
TOTAL	94.45				

C Particulars of Station,

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

....

Hour of observation by the clock—in Winter......................in Summer......................

Nearest Railway Station.......................... Distance................ Direction from gauge............

Nearest Parish Church at.......................... Distance................ Direction from gauge............

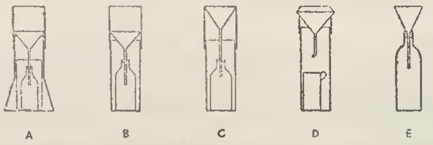
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

- (a) It is known that the gauge was empty at the beginning of the measured rainfall?
- (b) What note was made of the times of beginning and end of this fall?
- (c) When was the measurement made?

Signature Copied from Manchester Corpn. returns.

*See Instruction 2 *(f)* below.

D INSTRUCTIONS.

1. Rules for measuring the rainfull and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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Wt.3430/1699 15,000 2/35 W. H. & S. 668/91.

3633/3.

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1936.

At Helvellyn (Brown Cove.)

In the County of ~~Cheshire~~ Cumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 0 *in.*
- *Height of Ground above Sea Level* 2250 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	15·45				
FEB.	6·78				
MAR.	9·62				
APRIL	1·92				
MAY	2·15				
JUNE	6·68				
JULY	10·50				
AUG.	4·38				
SEPT.	10·92				
OCT.	7·92				
NOV.	11·66				
DEC.	20·78				
TOTAL	108 76				

Signature Manchester Corpn W. W.

*See Instruction 2 (*f*) below.

C Particulars of Station,

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Copy by B.R.O.

Hour of observation by the clock—in Winter.................in Summer.................

Nearest Railway Station.................. Distance.................. Direction from gauge..................

Nearest Parish Church at.................. Distance.................. Direction from gauge..................

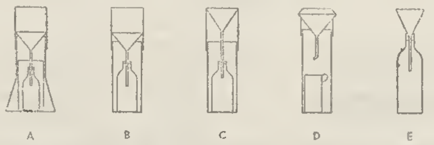
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state –

Date of move.................. Distance.................. Direction..................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
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9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 | 18 | } ·14 | would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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Wt.3430/1699 15,000 2/35 W. H. & S. 668/91.

3633/3

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1937.

At Brown Cove

In the County of Cumberland.

Rain Gauge
- Diameter of Funnel..........................in.
- *Height of Top above Ground.........ft.............in.*
- *Height of Ground above Sea Level.................ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
JAN.	20·30				
FEB.	9·82				
MAR.	7·00				
APRIL	5·83				
MAY	3·81				
JUNE	4·23				
JULY	5·03				
AUG.	4·98				
SEPT.	7·83				
OCT.	7·14				
NOV.	2·25				
DEC.	6·32 ✓				
TOTAL	84·54 ✓				

Signature ....

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Copy by S.R.O.

Name and Address to which any inquiry relating to this register should be sent :—

....

....

Hour of observation by the clock—in Winter........................in Summer..................

Nearest Railway Station.............................. Distance.................Direction from gauge............

Nearest Parish Church at.............................. Distance.................Direction from gauge............

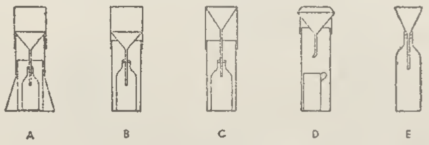
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005 : this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 / 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9999

3633/3

FORM 1090.

B Monthly Summary.

* The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1938

At Brown Cove

In the County of Cumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* ... *in.*
- *Height of Ground above Sea Level* 2250 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	14·67				
FEB.	5·16				
MAR.	5·39				
APRIL	96				
MAY	7·60				
JUNE	12·77				
JULY	13·63				
AUG.	5·52				
SEPT.	6·14				
OCT.	20·50				
NOV.	18·66				
DEC.	10·88				
TOTAL	121·88 ✓				

Signature ....

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Copy by B.R.O.

Hour of observation by the clock—in Winter.................... in Summer....................

Nearest Railway Station.................... Distance.................... Direction from gauge....................

Nearest Parish Church at.................... Distance.................... Direction from gauge....................

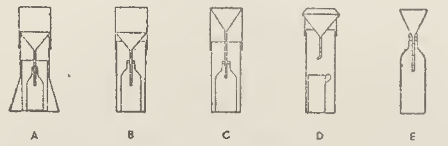
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.................... Distance.................... Direction....................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{r}17\\18\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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3633/3

Form 1090.

B Monthly Summary.

, The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939

At Brown Cove

In the County of Cumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 0 *in.*
- *Height of Ground above Sea Level* 2250 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
Jan.	14·89				
Feb.	16·05				
Mar.	8·59				
April	3·23				
May	1·89				
June	7·54				
July	13·30				
Aug.	4·96				
Sept.	2·99				
Oct.	5·53				
Nov.	15·63				
Dec.	5·18				
Total	99·78				

Signature Per Manchester W. W.

* See Instruction 3 *(f)* below.

C Particulars of Station.

Copy by B.R.O.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

....

Hour of observation by the clock—in Winter.............in Summer.............

Nearest Railway Station.............. Distance.............. Direction from gauge..............

Nearest Parish Church at.............. Distance.............. Direction from gauge..............

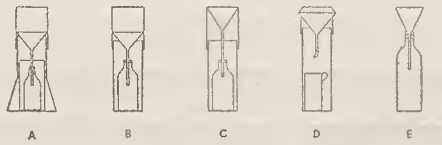
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.............. Distance.............. Direction..............

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

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9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 / 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left **blank**.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9999

FORM 1090.

B Monthly Summary.

. The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 19~~3~~40

Helvellyn

At (Brown Cove)

In the County of Cumberland

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 0 *in.*
Height of Ground above Sea Level 2250 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	1·87				
FEB.	3·88				
MAR.	9·63				
APRIL	4·02				
MAY	2·80				
JUNE	1·00				
JULY	10·27				
AUG.	3·55				
SEPT.	7·63				
OCT.	10·96				
NOV.	11·26				
DEC.	9·79				
TOTAL	76·66 ✓				

Signature Per Manchester W.W.

* See Instruction 3 *(f)* below.

C Particulars of Station. 3633/3

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Hour of observation by the clock—in Winter……in Summer……

Nearest Railway Station…… Distance…… Direction from gauge……

Nearest Parish Church at…… Distance…… Direction from gauge……

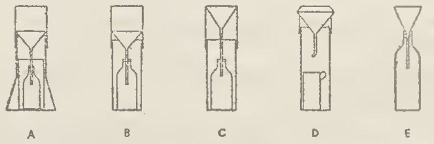
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move…… Distance…… Direction……

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Copy by B.R.O.

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

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  (B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

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Wt. 3079/2165 25,500 12/37 W. H. & S. 668/91
S.O. Code No. 49-9999

Section **A** for the entry of Daily O

AIR MINISTRY.—MET

PY FOR OFFICIAL USE.

ORGANIZATION.

Temp. (~~3623/5~~)

3623/5

Cumb/2

FORM 1090.

REGISTER

3633/5

WATENDLATH FARM

1932-40

780703

Kept at Watendlath Farm

in the County of Cumberland

Diameter of Funnel of Gauge 5 i

Height of top of Gauge above Ground

,, Ground ,, Sea Level

THE MORNING MEASUREME

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

OK [illegible]

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	2·11			·30		–	·20		2·40	·20	·55	1·40	1
2	·69	·01			·77		·25	·10	1·00	·05	·66	1·30	2
3	·77	·01		·08			·44		·66	·05		·30	3
4	·60						·76		·03			·12	4
5	2·28		·70	·50	·08				·45				5
6	·41		·23	·73	·04			·05	·26	1·45			6
7			·86	·18	·08				·86	1·40			7
8				·41					·27	·74			8
9	3·18			2·53	·02				1·62				9
10	·43			·37	·01				·26				10
11	·10			·04	·33		·35		·20				11
12	1·36				1·75		1·80	·18	·01	1·20			12
13	·11			·48			·09		·50	·57		·15	13
14	1·08	·05		·34					·01			·70	14
15	1·84			·02	·50					·13	·50	1·00	15
16	1·66									·37		4·75	16
17	·12								·02	1·47		3·28	17
18	·18				·50				·40			1·13	18
19	·05		·04	·32	·40			·50		·37		·32	19
20	·30		·02	·30				·13		·62	·25	·61	20
21	·40		·42				·35			1·46		·23	21
22	·05		·20	·38			·30			·30	1·20	·41	22
23		·04		·17	·20					·20	·75	·55	23
24	·10			·02		·06	·10		·78	·02	·45	·03	24
25				·10	·38	·05	·28		·30	·75	1·00		25
26				·04		·10	1·50		·78	·50	·35	·15	26
27			·75	·38		1·20	·60					·27	27
28			·20	·13	·22		·20				·95	·31	28
29	·05		1·30	·43	·02		1·05			1·00	1·00		29
30		✕	·25		·01	2·75	·90	·45	·32	·60			30
31	·06	✕		✕		✕		·15	✕	·05	✕	1·13	31
TOTAL	17·93	·11	4·97	8·$\overset{2}{\cancel{1}}$5	5·31	4·16	9·17	1·56	11·13	13·50	6·76	18·14	YEAR'S TOTAL 100·99
*Days with ·01 in. or more.	23	4	11	22	16	5	16	7	20	22	11	20	177
*Days with ·04 in. or more.	23	2	10	20	12	5	16	7	16	21	11	19	162

40-9999

*See Instruction 2 (*f*) on other side.

N

(*Signed*) W. Tyson Esq for M.O.

[P.T.O.

Posted

Temp: (~~[illegible]~~)

Section **A** **for the entry of Daily Observations.**

COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

36335

Cumb/2

Kept at Watendlath Farm ~~Keswick~~

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft 0 in.

,, Ground ,, Sea Level 800 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

OK [illegible]

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	2·11			·30		–	·20		2·40	·20	·55	1·40	1
2	·69	·01			·77		·25	·10	1·00	·05	·66	1·30	2
3	·77	·01		·08			·44		·66	·05		·30	3
4	·60						·76		·03			·12	4
5	2·28		·70	·50	·08				·45				5
6	·41		·23	·73	·04			·05	·26	1·45			6
7			·86	·18	·08				·86	1·40			7
8				·41					·27	·74			8
9	3·18			2·53	·02				1·62				9
10	·43			·37	·01				·26				10
11	·10			·04	·33		·35		·20				11
12	1·36				1·75		1·80	·18	·01	1·20			12
13	·11			·48			·09		·50	·57		·15	13
14	1·08	·05		·34					·01			·70	14
15	1·84			·02	·50					·13	·50	1·00	15
16	1·66									·37		4·75	16
17	·12								·02	1·47		3·28	17
18	·18				·50				·40			1·13	18
19	·05		·04	·32	·40			·50		·37		·32	19
20	·30		·02	·30				·13		·62	·25	·61	20
21	·40		·42				·35			1·46		·23	21
22	·05		·20	·38			·30			·30	1·20	·41	22
23		·04		·17	·20					·20	·75	·55	23
24	·10			·02		·06	·10		·78	·02	·45	·03	24
25				·10	·38	·05	·28		·30	·75	1·00		25
26				·04		·10	1·50		·78	·50	·35	·15	26
27			·75	·38		1·20	·60					·27	27
28			·20	·13	·22		·20				·05	·31	28
29	·05		1·30	·43	·02		1·05			1·00	1·00		29
30		X	·25		·01	2·75	·90	·45	·32	·60			30
31	·06	X		X		X		·15	X	·05	X	1·13	31
TOTAL	17·93	·11	4·97	2 8·~~1~~5	5·31	4·16	9·17	1·56	11·13	13·50	6·76	18·14	YEAR'S TOTAL 100·99
*Days with ·01 in. or more.	23	4	11	22	16	5	16	7	20	22	11	20	177
*Days with ·04 in. or more.	23	2	10	20	12	5	16	7	16	21	11	19	162

40-9999

*See Instruction 2 (*f*) on other side.

(Signed) W. Tyson Esq J.P. M.D

[P.T.O.

Circ D.1. Sent 7.9.33 Obs agrees 21.9

3633/5

Section **A** **for the entry of Daily Observations.**

COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Kept at Keswick, Watendlath Farm

in the County of Cumberland

Diameter of Funnel of Gauge..........in.

Height of top of Gauge above Ground..........ft..........in.

,, Ground ,, Sea Level..........ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·57	·40	·68								·46		1
2	3·05	·05	·10	·28		·84							2
3	·22	1·36	·17	·11	·15								3
4	1·57	3·60	1·57		·90								4
5	·37	·50	·26										5
6	·01	·07			·30						·15		6
7	·65	·45					·80	·16		·66			7
8	·26	·12	1·15	·70		·16	·35			·33			8
9		1·17					1·35			1·75			9
10	·61				·42		·76			·41	·23	·08	10
11	·37						·75			·11		·20	11
12	·02						·20			1·12	·10	·05	12
13							·82			·22	·25		13
14	·97						·30	·20		·50	1·60		14
15			·31				·36	·93		1·00	·23		15
16	·05		·65	·12	·10	·60		·50		·37	·07	·04	16
17	·04		·55			1·50		·20	·52		·20		17
18	·05		·33			·35		·51			·03	·06	18
19			·20		·35	·04	·02	·22	·24		·40		19
20			·43					·30			·01		20
21						·10		·40		·10		·01	21
22					·72			·17		·10			22
23	·10			·12								·10	23
24				·45	·23		·10	·07	·34		·02		24
25	·20	·94			·02			·77	·61			·18	25
26	·15	1·50								·30			26
27							·30			·15			27
28	·05	·50		·37			·23			·19	·01		28
29			·12				·25					·12	29
30		×					1·50			·18		·25	30
31	5·50	×		×		×	·20		×	·21	×	·05	31
TOTAL	8 14·91	9·66	6·52	2·25	3·19	3·59	8·29	4 4·23	1·71	7·70	3·76	1·14	YEAR'S TOTAL 67·05
*Days with ·01 in. or more.	20	12	13	7	9	7	16	12	4	17	14	11	142
*Days with ·04 in. or more.	18	12	13	7	8	7	15	12	4	17	10	10	133

40-9999

(Signed) W. Tyson

[P.T.O.

*See Instruction 2 (*f*) on other side.

D M

COPY FOR OFFICIAL USE.

Section A for the entry of Daily Observations. Station No. 3633|5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

Kept at Keswick, Watendlath Farm

in the County of Cumberland

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

,, Ground ,, Sea Level .... ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·73		·80			–		·67				·47		1
2	·06		·46					·90	·56		·18	·41		2
3	1·65		·14					·05	·25	·55	·50	·40		3
4	1·25		·48	·06					·65	1·10		·92		4
5	·07		·16		1·15			·15		·22		·21		5
6	2·75		·04		2·11			·40	·25	1·50		·06		6
7	1·40	·16	·20	·25	·05				·04	·46		·90		7
8		·02	·04					·13	·15	·61		2·22		8
9	1·22	·04						·15	·05	·30	·42	·62		9
10	1·00		·13	·38				1·10	·37	·12		·05		10
11	1·18		·12	·78				·30	·14		·22	·75		11
12	·16			1·00				·16			·10	·40		12
13			·03	·80	·35		·35			·50		·20		13
14	·40		·90	·15		1·30				·34		1·12		14
15	·52		·14	·25	1·43		·43		·05	·16		·16		15
16	2·68		1·25		·33				·04			·07		16
17	·37		·50	·30	·25		·43		1·20	·09		1·25		17
18	·50		·18	·22	·45	1·00		·21	·38	·10		1·60		18
19			·02	·48	1·25	·40	·03		·81	·45	·06	·20		19
20	·06				1·03	·10		1·40	·26	·40		·02		20
21	·04		·10		·25	·43		1·60	·21	1·28	·04			21
22	·10	·01	·06			·25		·38	1·15		·12	·03		22
23	·11		·03	·57			·10	·14		·60	·08	·20		23
24		·33	·01	·20	·13				·31	1·35	·04			24
25	·56		·45	·16			·34		1·21	1·79	·03	1·44		25
26	·10		·16	·40		·54	·25		1·71	2·26	·17	·52		26
27				·02		·46	·15	·15	·20	·55		1·24		27
28						·10	·10	2·15	·11	·41		·49		28
29							·31	·50	·13	·28		·45		29
30	·36	×						·05	3·50	·42		1·25		30
31		×		×		×			×	·01	×	·24		31
TOTAL	17·27	·56	6·~~39~~ ·40	6·02	8·78	4·58	2·49	10·59	13·73	15·85	1·96	17·89	Year's Total 106·12	
*Days with ·01 in. or more.	23	5	23	16	12	9	10	19	24	25	12	29	207	
*Days with .04 in. or more.	23	3	19	15	12	9	9	19	24	24	11	27	195	

M

† Spare column, no entries required.

(*Signed*) J. W. Tyson

[P. T. O.

40-9999

*See Instruction 2 (*f*) on other side.

Sept: corrd by obs.

COPY FOR OFFICIAL USE. ✗

Section **A** for the entry of Daily Observations. Station No. 3633/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at Keswick, Watendlath Farm

in the County of Cumberland

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

,, Ground ,, Sea Level .... ft.

Compare ~~Dec~~ sister stas.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·78	·77	·01				·17		2·10	·05	·31			1
2		·11	·03	·15		·15			2·40	·70	·28	·25		2
3	·07	·45	·13	·03		·15	·20		·05		·79	·15		3
4		·11	·21			·27	·28		·10	·04		·41		4
5	·01	·45	·06			·25	·10		·10	·19	·25	·07		5
6	·19					·85				·12		·20		6
7				·58		·37				1·21	·02	·50		7
8	·01			·68		·74		·21		·31		·15		8
9	·10			1·72		·05				1·05	·48			9
10	·63	·30		·31		·20	·02			·60	·20			10
11	·95	1·12		·10		·68		·40		·25	·87			11
12	·05	·77				·16			·38	·06	·04			12
13	·15	·14		·16	·35	·05			·59	1·24	·13			13
14		·23		·04		·30		·01	·60		·50	·15		14
15		3·70 ✓		·42	·40	·10			1·50	·95	·33	✓		15
16		3·24 ✓		1·09	·04	·20	·70	·04	1·82		·43			16
17		·04	·07	·50		·21		·10	·19	·30	·46			17
18		1·60	·05			·15	·04		2·19	1·48	·05			18
19		2·90 ✓				·15	1·40	·15	·23	·83	·35	snow		19
20		2·08		·59		·20					·11			20
21		·18	·47	·13		·09			·95	·27	·04	✓		21
22		·15	·50	·10					·06					22
23	·09	·10	·27			·38		·08		·17				23
24	·61	·81	·10						·47	·02		✓		24
25	·31		·15							·04	1·00	✓ ·75		25
26						·40	·10	2·10	·16	·54	·01	·90		26
27		·35				·18	·45	·02	·32	1·20	1·25	·07		27
28	·05	·10				·01		·06	·28	·88				28
29			·10					·65	1·18	·76	·06	·79		29
30		✕	·04			·35		1·37	1·36	2·00	1·32	·03		30
31	·21	✕		✕		✕			✕	·45	✕	·71	Year's Total	31
TOTAL	4·21	19·70	2·19	6·60	·79	6·64	3·46	5·19	~~16·93~~ 17·03	15·71	9·28	5·13	95·93	
*Days with ·01 in. or more.	15	22	14	15	3	25	10	12	21	26	23	17	203	
*Days with .04 in. or more.	13	22	12	14	3	24	9	10	21	25	22	16	190	

40-9999

*See Instruction 2 (*f*) on other side.

M

† Spare column, no entries required.

(*Signed*) W. Tyson

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3633/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1936.

Kept at Keswick, Watendlath Farm

in the County of Cumberland

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

,, Ground ,, Sea Level .... ft.

compare [illegible] surr. stns.

Copy by B.R.O.

Dec. 12-13 allocated from surr. stns.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·15	·15	·20				[illegible]	·15	—	-	·26	·26		1
2			·16					·75	·03	-	·14	·12		2
3	·05							·68	1·16	-	·16	·78		3
4	·80		·25				*	·03	1·13	-	·83	—		4
5	1·35	·05	·15				—	·58	·50	-	·94	1·05		5
6	·55					·80	*	·13	1·15	-	·94	—		6
7			·41				*		1·15	-	2·05	·40		7
8	·60						— ·80		—	-	·54	—		8
9	3·20					·02	·12	·02	—	-	·54	—		9
10	1·17		·44				·30	·24	·08	-	·76	·10		10
11				·05		·08	·33	·08	·60	"	·69	·70		11
12				·05		·03	·15		·60	-	·31	(·50) (3·27)		12
13				·25	·20	·74	·25	·06	·07	·41	·11	~~3·77~~		13
14				·05			·20	·15	1·03	·05	1·02	·18		14
15					·24	·60	·10	·05	—	·05	1·0	2·00		15
16		·05	·10		·05	1·12	·02		—	·32	·40	·05		16
17	·17	·96	·08	·03		·03	·38	·30	—	1·30	·22	2·00		17
18		1·18		·03			·34	·52	—	1·18	-	·10		18
19	·10	·36					·62	·19	—	·18	-	·48		19
20	·05	·65	·10				·30		—	·08	-	1·14		20
21	·06	·46	·30						—	·13	-	·38		21
22	·09	·05	·10			1·40	·30		—	·09	-	—		22
23	·20		·26	·30			2·28	·01	—	·28	-	·01		23
24	·10			·91	·68		1·82		1·06	5·30	·04	—		24
25	·46	·07		·19			·60		·40 *	·62	-	—		25
26	·70	·25	·22	·15			·04		— *	·50	-	—		26
27	·73		·05				·05		— *	·31	·01	—		27
28	·14	·20	·50		·01	·	·07		— *		·05	—		28
29	·10	·40	1·50			·75			— *	·16	·18	·07		29
30	·10	×	·27			(·10) ~~·90~~	·50	·01	— *	·40	·05	2·56		30
31	·14	×	·22	×		×	·20	·03	× *		×	·82		31
TOTAL	11·01	4·83	5·31	2·01	1·18	5·67 ~~6·27~~	10·37 ~~9·11~~	3·98	9·9~~8~~6	11·36	11·34	16·97	Year's Total. 93·99	
* Days with .01 in. or more.	22	13	18	10	5	11 ✓	~~22~~ 26	18	19 ~~13~~	17	22	22 ~~20~~	202	
* Days with .04 in. or more.	22	13	18	8	4	8 ✓	~~21~~ 24	13	18 ~~12~~	17	21	21 ~~19~~	187	

40-9999

† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(*Signed*) ....

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3633/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1937.

Kept at Watendlath Farm

in the County of Cumberland

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft..........in.

,, Ground ,, Sea Level ....ft.

Copy by B.R.O.

Nov. has been rec.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ✓

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·11	·03	·50	–	–	–	·48		1·02	·16		–		1
2	·55	1·75	·05	·10	–	·08	·60			·01		·37		2
3	·76	1·61	·07	·05	–	·67	·66		·08	–		·01		3
4	·92	·09	·10	·15	·25	·37	·01		1·86	–		·80		4
5	1·78	–	·06	·12	·06	1·57	·39		2·00	–		·05		5
6	·02	–	–	·16	·05	·30	·19		·48	–		–		6
7	–	·20	–	1·00	–	–	–		·57	–		–		7
8	·26	·27	·04	·25	–	·31	·16	·03	·08	–		–		8
9	·26	·19	·06	·55	–	·03	·46	·19		–		–		9
10	·04	·09	–	–	·13	–	–	–		–		·20		10
11	·11	–	·50	–	–	–	–			–		·05		11
12	2·25	·23	·05	–	–	·05	·06	·57	·15	–		–		12
13	·07	·10	–	·02	–	·33	·04	·64	·01	·01		–		13
14	–	·11	–	–	–	–	·33	·30	·40	·03		·25		14
15	·97	1·17	–	–	–	–	–		·66	–		·05		15
16	·09	·58	1·50	·05	–	–	–	·83		–		–		16
17	2·80	·05	·75	·60	–	–	–	·05	·32	–		–		17
18	·03	·43	·22	–	–	–	·02	·45	·03	–	·05	–		18
19	–	·54	·20	·61	·05	·07	–			–	·60	–		19
20	2·75	·15	–	·18	·10	·06	–			–	·16	·06		20
21	1·25	·10	·06	·17	·08	–	·82		·02	·23		1·00		21
22	·35	–	·10	·01	1·62	·04	·35			·55	·10	·96		22
23	·48	–	·05	–	·09	–	·56		·04	1·14		·57		23
24	1·25	·30	·15	–	·08	–	·02		·36	·48	·01	·47		24
25	·05	1·32	·02	–	·13	–	–	·07		·78		·05		25
26	–	·15	–	–	·28	–	–			·30		–		26
27	–	·30	–	·10	–	·02	·09		·08	·73		·02		27
28	–	–	–	–	–	·40	–			·08	·24	–		28
29	–	–	–	–	–	·02	–			·08	·38	·01		29
30	·05	✕	–	–	–	·04	–	·06	·21	·39	1·03	–		30
31	·55	✕	–	✕	–	✕	–	1·25	✕	·07	✕	–		31
TOTAL	17·75	9·76	4·48	4·12	2·92	4 3·36	5·24	4·44	8·37	5·04	2·57	4·92	Year's Total 73·97	✓
* Days with .01 in. or more.	24	22	18	16	12	16	17	11	18	15	8	16	193	✓
* Days with .04 in. or more.	22	21	17	14	12	1~~4~~3	14	10	15	12	7	13	170	✓

40-9999.

† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(*Signed*) .... [P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3633/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

Dec. 31st amended & ·80 incl carried to 1.1.39

Nov. total corrected for arithmetic

Cus
3.6.40

Kept at Waterflath Farm
in the County of Cumberland
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft. in.
,, Ground ,, Sea Level 800 ft.

Copy by B.R.O.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	–	–	·09	·09		1·04	·03	–	·02	–	·30	·49		1
2	–	·10		1·02		·67	·05	–	·10	2·75	–	·20		2
3	–	·28				·17	·50	–	·70	4·63	·88	–		3
4	–	·20		·17		·12	·25	–	–	·66	·02	1·55		4
5	·08	·09				·40	·21	–	·05	96	–	·10		5
6	·77	·01				1·30	–	·15	·44	3·23	·31	·25		6
7	·11	–		·03		–	·78	·18	·01	·70	·42	·09		7
8	·40	·45				·03	·35	·18	–	2·85	·75	·14		8
9	·21	·62				·37	·05	–	–	·24	–	1·75		9
10	·02	–	·09			·13	·78	–	–	·14	–	·08		10
11	·41	·07	·11		·65	·02	·22	–	·03	·50	·65	1·00		11
12	1·10	·07			·40	–	–	–	–	2·06	–	·17		12
13	·05	–			·66	–	·08	·02	·19	·40	4·10	·30		13
14	3·08	–			·10	–	·01	–	–	·50	·80	·02		14
15	1·00	–			·40	–	–	·66	–	·07	·01	1·33		15
16	1·44	–	2·24		·46	–	·02	1·35	1·80	1·75	·12	·01		16
17	–	–	·75		·36	–	·05	1·05	1·74	·75	–	–		17
18	·77	–	·89			·12	–	·75	·02	·78	1·70	–		18
19	·09	–	1·60			·01	–	·67	–	·02	·25	–		19
20	1·80	–	1·70			·03	–	–	·04	–	–	–		20
21	–	–	·03		·06	·12	–	·30	·21	–	·30	–		21
22	·13	–			·03	·12	–	–	·02	–	1·25	–		22
23	·55	–			55	·20	–	·05	·07	–	·67	–		23
24	1·02	–	·70			1·02	–	·06	·41	·18	·50	–		24
25	·13	·33	·05		·32	·03	1·15	–	–	·15	·18	·03		25
26	·17	1·10	·22		1·10	2·11	·10	–	–	56	·25	–		26
27	·49	–			50	·75	·90	·20	–	·04	1·10	–		27
28	·65	·66	·15		·34	3·27	–	–	·05	–	·42	·26		28
29	–	X	·07		·40	·59	5·95	–	·06	·18	·82	·64		29
30	·34	✕				·10	1·50	–	·15	·02	·95	–		30
31	1·09	✕	·07	✕	·56	✕	–	–	✕	2·05	✕	(·20) ~~1·00~~		31
TOTAL	16·90	2·98	8·76	1·30	6·89	12·72	12·98	5·62	6·11	26·20	16·76	5 8·61 ~~9·41~~	Year's Total ~~126·62~~	125·82 ✓
* Days with .01 in. or more.	24	12	15	4	16	23	19	13	19	25	23	19	212	✓
* Days with .04 in. or more.	23	11	14	3	15	18	16	12	13	23	21	16	185	✓

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(Signed) William Tyson [P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3633/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at Watendlath Farm

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. in.

„ Ground „ Sea Level 800 ft.

Amt shown on 1-1-39. part of fall entered to 31-12-38. Adjustment made after reference to other stations

Copy by B.R.O.

Cw 26·4

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	(·80)	–	2·38	·10	-	–	·33	25	·04	·01	–	2·07		1
2	–	–	1·30	·02	-	–	·55	·98	·45	-	·04	·50		2
3	– –	–	·30	·02	-	–	·08	05	1·01	-	·40	·70		3
4	– –	·06	·85	–	-	–	·33	–	–	·01	·01	·13		4
5	– –	1·30	·09	–	·30	–	·95	–	·04	-	1·26	–		5
6	·44	1·75	·11	–	-	–	·62	–	–	-	1·05	–		6
7	2·76	1·16	·40	–	-	-	·24	–	–	-	·70	·18		7
8	2·81	3·25	·42	·65	-	–	·19	·35	·06	-	1·21	·32		8
9	·53	·60	—	–	-	–	·16	73	·03	1·62	·07	·90		9
10	–	·20	·03	–	-	·30	–	52	1·60	1·00	·16	·55		10
11	·01	·80	·45	–	-	·45	–	–	·03	·70	–	–		11
12	–	·10	—	·31	.	·01	·45	–	·15	-	–	–		12
13	·40	–	·02	·55	-	–	1·00	–	-	·06	1·29	–		13
14	2·64	–	·03	·32	·40	1·00	·36	–	-	·04	1·50	–		14
15	1·40	–	·07	1·13	·02	1·30	·14	–	-	-	·50	–		15
16	1·55	·50	–	·03	.	–	·27	–	-	-	·14	–		16
17	·44	·60	—	·09	-	·50	·03	–	-	-	–	–		17
18	·18	·10	·14	–	-	·30	·36	–	-	-	·60	-		18
19	·10	–	—	–	-	·06	·24	·36	-	-	–	-		19
20	·05	·23	—	–	·03	·16	·01	–	-	-	–	-		20
21	·40	1·95	·50	·23	·01	–	–	·44	·03	-	·01	-		21
22	·45	·55	·25	·12	-	–	·04	–	-	·11	1·87	-		22
23	·17	·40	·06	·28	-	·10	·30	–	-	-	·08	-		23
24	–	·65	–	·12	-	·04	–	–	-	-	–	-		24
25	·07	·25	–	·22	-	–	–	–	-	-	2·76	·03		25
26	·20	·11	–	·05	·03	–	–	·18	-	·34	–	–		26
27	–	·80	·04	–	-	·70	·26	·10	-	·07	·25	-		27
28	–	·23	·05	–	-	1·70	2·77	–	-	–	·75	-		28
29	–		·20	–	-	·35	·97	–	-	·07	1·02	-		29
30	–	✕	–	–	-	·09	·79	–	-	·20	2·02	-		30
31	–	✕	–	✕	-	✕	1·01	–	✕	-	✕	-		31
TOTAL	~~14·60~~ 15·40	15·59	7·69	4·24	·79	7·06	12·45	3·96	3·44	4·23	17·69	5·38	Year's Total ~~97·12~~	97·92
* Days with .01 in. or more.	~~18~~ 20	21	20	16	6	~~14~~ 15	25	10	10	12	22	9	~~184~~	186
* Days with .04 in. or more.	~~14~~ 18	21	17	13	2	~~13~~ 14	23	10	7	10	20	8	~~162~~	163

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) ....

[P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3633/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 19~~1~~40

Kept at Watendlath FARM

in the County of Cumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

" Ground " Sea Level 800 ft.

[illegible] corr. for Au[illegible]

Jan corr'd for mon.

Dec. "

"Copy by B.R.O.

adjusted by nearby stns. [illegible] 9-5-41

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	–	–	–	·55	–	–	–	–	–	–	·30	·90		1
2	–	–	–	·38	–	–	·35	–	–	–	2·18	·26		2
3	–	·16	–	·09	–	–	·25	–	–	–	–	·26		3
4	–	·60	–	·12	–	–	·30	–	·07	·37	–	·70		4
5	–	–	–	–	·27	–	·15	·04	–	2·75	·32	1·70		5
6	–	·46	–	–	–	–	·20	–	·06	·60	·16	·30		6
7	13	·07	–	·85	·05	–	·05	·18	·20	·07	·10	–		7
8	–	–	·11	–	–	–	1·85	·30	·07	2·70	·80	·70		8
9	–	–	·29	–	–	–	1·15	(1·00	·35	2·43	·59	·54		9
10	–	–	·12	–	–	–	1·32	(·75	–	·20	·73	·16		10
11	–	–	2·07	·08	–	–	–	–	–	–	1·82	–		11
12	–	–	1·00	–	–	–	–	·02	·88	–	·56	–		12
13	–	–	·04	·06	–	–	·06	– +	–	–	·39	·15		13
14	–	–	·20	·20	–	–	·13	– +	·58	–	–	1·50		14
15	–	–	–	·11	·32	–	–	–	–	·22	·80	1·09		15
16	–	–	·20	–	–	–	·47	–	3·07	–	·04	·62		16
17	–	–	·25	–	–	–	·74	– +	·89	·15	·20	·20		17
18	–	–	1·16	·13	–	–	– +	·56 +	·89	–	–	1·09 ~~·97~~		18
19	(80)	·11	1·00	·24	–	–	·90 +	·02	·49	–	1·57	–		19
20	(20)	·26	1·04	·33	–	–	·11	·50	·31	·26	·50	–		20
21	–	·51	·16	·09	–	·33	–	·01	·06	03	·06	–		21
22	–	–	·26	–	–	·50	–	·05	·46	–	–	–		22
23	–	·25	·30	·25	·07	– ✓	·16	–	·12	–	·55	·05		23
24	(·20)	·03	·10	·14	–	– ✓	·24	–	–	–	·04	–		24
25	(20) ~~55~~	–	–	–	·66	·15 +	–	·05	·01	–	·05	–		25
1·22 26	(02)	·60	03	–	–	–	–	·20	·01	–	1·00	–		26
27	(60)	–	–	·57	·15	–	·10	–	–	–	–	–		27
28	(20)	·08	–	–	·16	–	·14	·24	–	–	–	·44		28
29	(20)	–	·55	–	–	·21	~~·14~~	–	–	·05	–	·58		29
30	–		·39	tr	–	–	–	–	–	·71	–	·40		30
31	–		–		–		–	·05		·40		·05		31 78·40
TOTAL	(2·55) ~~·68~~	3·13	9·27	4·19	1·6~~2~~8	1·19	~~2~~8·81	(3·67) ~~2·22~~	8·52	10·94	12·76	~~11·82~~ ~~12·27~~ 11·69	~~77·64~~ ~~73·65~~	~~77·81~~
* Days with .01 in. or more.	9	11	19	16	7	6 ~~4~~	~~20~~ 19	~~15~~ 11	17	14	21	19	~~163~~	~~177~~ 176
* Days with .04 in. or more.	8	10	18	16	7	4	~~20~~ 19	~~14~~ 10	15	13	21	19	~~153~~	~~163~~ 165

Observer says

up to many adjustments

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(Signed) W. TYSON, Esq., farmer

[P.T.O.

FORM 1090.

B Monthly Summar… …rs of Station.

/26 3634

3634.

CUMBERLAND.
ARMBOTH FELLS.
1931 – 40

780703.

*** The following register of monthly total… &c., is NOT required if daily or week… values are given on the other side.

RAINFALL IN 1931

At Armboth Fells

In the County of Cumberland

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* – *in.*
Height of Ground above Sea Level 1,650 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	8.9				
FEB.	6.8				
MAR.	1.9				
APRIL	4·1				
MAY	6.2				
JUNE	10.0				
JULY	10.4				
AUG.	5.6				
SEPT.	3.4				
OCT.	9·1				
NOV.	19·1				
DEC.	9·1				
Total	94·60				

Signature

*See Instruction 2 (*f*) below.

…fill in this section and also the space for
…iry relating to this register should be sent:—

…Winter………in Summer……

Nearest Railway Station…… Distance…… Direction from gauge ……

Nearest Parish Church at…… Distance…… Direction from gauge ……

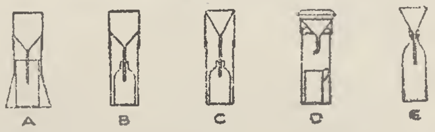
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move…… Distance…… Direction……

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Letter dated 4.1.32
It was recommended after the inspection in Sept 1931 that the new gauge be sited upon the site of the old gauge within the turf wall there. "As this site was liable to flooding the new gauge was fixed on a site about 11 yds N of it & surrounded by a turf wall". in Dec 1931

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

FORM 1090. **B** Monthly Summary. **C** Particulars of Station. /36 3634

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1931

At Armboth Fells

In the County of Cumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* – *in.*
- *Height of Ground above Sea Level* 1,650 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	8.9				
FEB.	6.8				
MAR.	1.9				
APRIL	4·1				
MAY	6.2				
JUNE	10.0				
JULY	10.4				
AUG.	5.6				
SEPT.	3.4				
OCT.	9·1				
NOV.	19·1				
DEC.	9·1				
Total	94·60				

Signature.....................

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter.................in Summer.................

Nearest Railway Station................. Distance................. Direction from gauge.................

Nearest Parish Church at................. Distance................. Direction from gauge.................

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move................. Distance................. Direction.................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

letter dated 4.1.32

It was recommended after the inspection in Sept 1931 that the new gauge be sited upon the site of the old gauge within the turf wall there.
"As this site was liable to flooding the new gauge was fixed on a site about 11 yds N of it & surrounded by a turf wall". in Dec 1931

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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FORM 1090. **B** Monthly Summary.

3634

*** **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

Thirlmere

RAINFALL IN 1932

At Armboth Fells

In the County of Cumberland

Rain Gauge
Diameter of Funnel .... in.
Height of Top above Ground ...... ft ...... in.
Height of Ground above Sea Level 1,650 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with ·01 in or more	Number of Days with ·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	24·20				
FEB.	·19				
MAR.	5·92				
APRIL	9·71				
MAY	5·92				
JUNE	5·32				
JULY	10·66				
AUG.	1·79				
SEPT.	9·84				
OCT.	16·40				
NOV.	8·97				
DEC.	25·16				
Total	124·08				

Signature Manchester Corpt, W.W

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Copy by B.R.O.

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

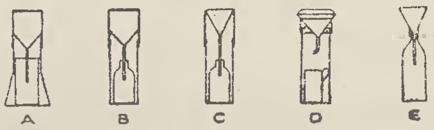
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at* 9 *a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.* 9 *a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

3634

FORM 1090. **B** Monthly Summary.

*** **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1933

At Armboth Fells, The Pewitts

In the County of Cumberland

Rain Gauge

Diameter of Funnel 5 in.

Height of Top above Ground 1 *ft* 0 *in.*

Height of Ground above Sea Level 1650 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	15·11				
FEB.	10·78				
MAR.	7·06				
APRIL	3·10				
MAY	4·48				
JUNE	3·59				
JULY	9·35				
AUG.	6·56				
SEPT.	2·47				
OCT.	8·70				
NOV.	3·96				
DEC.	1·13				
Total	76·29				

Signature Manchester Corpn. W.W.

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Copy by B.R.O.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\begin{matrix}17\\18\end{matrix}\left|\left.\right\}\cdot 14\right|$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(506) Wt.24107/1845 15000 3/33. Gp. 119/110.

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 193.....

At Armboth Fells (The Pewitts)

In the County of Cumberland

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 0 *in.*
Height of Ground above Sea Level 1650 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	21·24				
FEB.	·76				
MAR.	6·45				
APRIL	6·24				
MAY	9·00				
JUNE	4·82				
JULY	2·95				
AUG.	11·41				
SEPT.	14·10				
OCT.	16·36				
NOV.	3·12				
DEC.	18·34				
Total	4 115·~~5~~5				

Signature..........

*See Instruction 2 (*f*) below.

C Particulars of Station.

3634

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter.......... in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

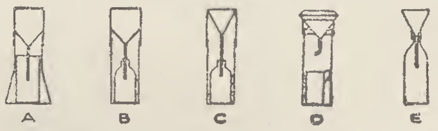
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Copied from Manchester Corpn. Sheet.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

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(*a*) *Rain should be measured each morning, preferably at* 9 *a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.* 9 *a.m. Greenwich Mean Time is* 10 *a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* 0·1 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(457) Wt.9673/738 16000 8/32. Gp. 119/110.

3634

FORM 1090.

B Monthly Summary.

. The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1935.

At Armboth Fells

In the County of Cumberland

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 0 *in.*
Height of Ground above Sea Level 1650 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	4·76				
FEB.	19·55				
MAR.	2·35				
APRIL	7·30				
MAY	·87				
JUNE	7·27				
JULY	4·21				
AUG.	4·94				
SEPT.	17·03				
OCT.	18·04				
NOV.	9·57				
DEC.	5·19				
TOTAL	101·08				

Signature Copied from Manchester Corpn. returns.

*See Instruction 2 (*f*) below.

C Particulars of Station,

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

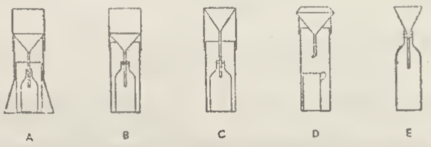
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfull and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\begin{matrix}17\\18\end{matrix}\Big\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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Wt.3430/1699 15,000 2/35 W. H. & S. 668/91.

3634.

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1936

At Armboth Fells (The Pewitts)

In the County of ~~Cheshire~~ Cumberland

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 0 *in.*
Height of Ground above Sea Level 1650 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	12·84				
FEB.	4·56				
MAR.	6·34				
APRIL	2·18				
MAY	1·76				
JUNE	5·70				
JULY	11·06				
AUG.	4·18				
SEPT.	10·02				
OCT.	11·12				
NOV.	11·48				
DEC.	17·73				
TOTAL	98·97				

Signature Manchester Corpn W. W.

*See Instruction 2 (*f*) below.

C Particulars of Station,

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Copy by B.R.O.

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

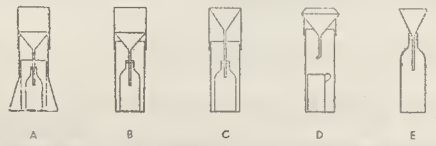
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state –

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfull and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17, 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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3634.

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1937

At Armboth Fells

In the County of Cumberland

Rain Gauge
Diameter of Funnel..........................in.
Height of Top above Ground.........ft............in.
Height of Ground above Sea Level..................ft.

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	17·23				
FEB.	10·56				
MAR.	5·60				
APRIL	5·38				
MAY	3·54				
JUNE	5·40				
JULY	6·06				
AUG.	4·79				
SEPT.	9·56				
OCT.	6·04				
NOV.	2·54				
DEC.	6·46	✓			
TOTAL	83·16 ✓	✓			

Signature ....

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Copy by B.D.O.

Name and Address to which any inquiry relating to this register should be sent :—

....

....

Hour of observation by the clock—in Winter..........................in Summer....................

Nearest Railway Station.................................... Distance.................. Direction from gauge..............

Nearest Parish Church at.................................... Distance.................. Direction from gauge..............

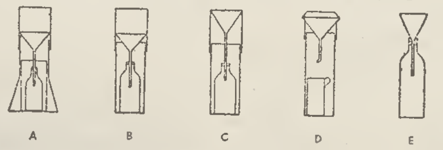
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\begin{matrix}17\\18\end{matrix}\left.\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9999

FORM 1090. 3634

B Monthly Summary.

* The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1938

At Armboth Fells

In the County of Cumberland

Rain Gauge { Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* … *in.*
Height of Ground above Sea Level 1650 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	17·60				
FEB.	5·91				
MAR.	9·90				
APRIL	1·61				
MAY	7·41				
JUNE	14·77				
JULY	16·12				
AUG.	7·31				
SEPT.	7·41				
OCT.	28·49				
NOV.	18·98				
DEC.	9·19				
TOTAL	144·70 ✓				

Signature ……………………………………

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

……………………………………

Copy by B.R.O.

Hour of observation by the clock—in Winter……………in Summer……………

Nearest Railway Station…………… Distance…………… Direction from gauge……………

Nearest Parish Church at…………… Distance…………… Direction from gauge……………

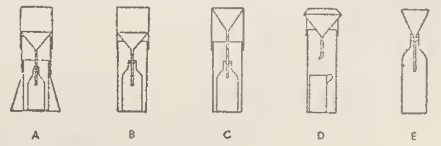
Nature of objects nearest to gauge				
Height of objects				
Distances …				
Directions from gauge …				

If gauge has been moved during the year state—

Date of move…………… Distance…………… Direction……………

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

……………………………………

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\begin{array}{l}17\\18\end{array}\left|\;\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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3634

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939

At Armboth Fells

In the County of Cumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 0 *in.*
- *Height of Ground above Sea Level* 1660 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	17·51				
FEB.	17·12				
MAR.	8·43				
APRIL	4·78				
MAY	1·57				
JUNE	7·74				
JULY	14·08				
AUG.	4·40				
SEPT.	3·70				
OCT.	5·07				
NOV.	19·05				
DEC.	5·74				
TOTAL	109·19	ʃ			

Signature Per Manchester W.W.

* See Instruction 3 *(f)* below.

C Particulars of Station.

Copy by B.R.O

Every observer is requested to fill in this section and also the space for notes as far as possible.

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

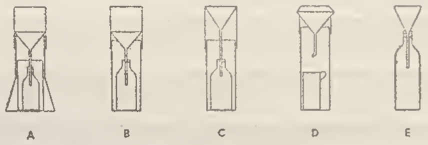
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

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(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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Wt. 3079/2165 25,500 12/37 W.H.&S. 668/91 S.O. Code No. 40-9999

FORM 1090.

B Monthly Summary.

C Particulars of Station.

3634✓

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 19~~3~~40

At Armboth Fells (The Pewitts)

In the County of Cumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 0 *in.*
- *Height of Ground above Sea Level* 1050 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	2·00				
FEB.	4·16				
MAR.	11·73				
APRIL	4·10				
MAY	1·97				
JUNE	1·02				
JULY	9·59				
AUG.	5·26				
SEPT.	9·87				
OCT.	12·11				
NOV.	13·57				
DEC.	12·73				
TOTAL	88·11				

Signature per Manchester W.W.

* See Instruction 3 *(f)* below.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

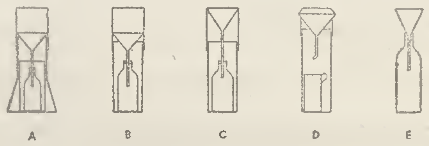
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Copy by B.R.O.

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
  (A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
  (B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9999

3635

3635 —

HEWELLYN
WHITE SIDE
1931 – 40

780703

FORM 1090. **B** M
S
n.

*** The following register of mont
&c., is NOT required if daily
values are given on the other

ection and also the space for
this register should be sent:—

RAINFALL IN 1931

At White Side
In the County of Cumber
Rain Gauge
Diameter of Funnel 5
Height of Top above Ground 1 *ft.* — *in.*
Height of Ground above Sea Level 2,100 *ft.*

in Summer
istance Direction from gauge
istance Direction from gauge

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	6.3				
FEB.	5.3				
MAR.	1.7				
APRIL	4.6				
MAY	6.4				
JUNE	9.6				
JULY	9.2				
AUG.	6.9				
SEPT.	4.5				
OCT.	5.3				
NOV.	22.4				
DEC.	7.1				
Total	89.30	Part			

Signature

*See Instruction 2 (*f*) below.

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move Distance Direction

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B.**)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

~~[illegible]~~.

Not well set up ~~after [illegible]~~ December 1931 ~~Sept~~ 1931.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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FORM 1090. **B** M
Summary. n.

3635

*** **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1931

(new gauge)

At White Side

In the County of Cumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* – *in.*
- *Height of Ground above Sea Level* 2,100 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	6.3				
FEB.	5.3				
MAR.	1.7				
APRIL	4.6				
MAY	6.4				
JUNE	9.6				
JULY	9.2				
AUG.	6.9				
SEPT.	4.5				
OCT.	5.3				
NOV.	22.4				
DEC.	7.1				
Total	89.30				

part

Signature

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter ______ in Summer ______

Nearest Railway Station ______ Distance ______ Direction from gauge ______

Nearest Parish Church at ______ Distance ______ Direction from gauge ______

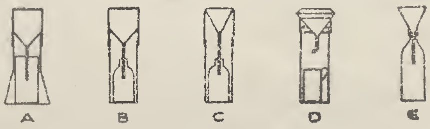
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move ______ Distance ______ Direction ______

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

~~[illegible]~~.

Gauge well set up ~~after [illegible]~~ December 1931 ~~Sept~~ 1931.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

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(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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FORM 1090.

3635

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

Thirlmere

RAINFALL IN 1932

At White Side

In the County of Cumberland

Rain Gauge
Diameter of Funnel .... in.
Height of Top above Ground — *ft.* — *in.*
Height of Ground above Sea Level 2,100 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	18·70				
FEB.	·50				
MAR.	6·17				
APRIL	7·25				
MAY	6·19				
JUNE	5·92				
JULY	9·69				
AUG.	2·19				
SEPT.	8·50				
OCT.	13·76				
NOV.	5·51				
DEC.	17·71				
Total	102·09				

Signature Manchester Corpt, W.W

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Copy by B.R.O.

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

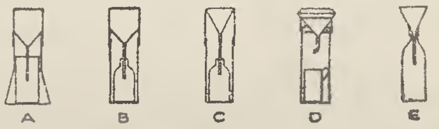
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{l}17\\18\end{array}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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3635

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1933

At Helvellyn, Whiteside

In the County of Cumberland

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 0 *in.*
Height of Ground above Sea Level 2100 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	13·89				
FEB.	6·78				
MAR.	6·28				
APRIL	3·45				
MAY	5·15				
JUNE	3·13				
JULY	8·38				
AUG.	5·26				
SEPT.	3·46				
OCT.	7·37				
NOV.	5·32				
DEC.	1·23				
Total	69·70				

Signature Manchester Corpn. W.W.

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

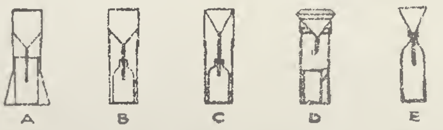
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Copy by B.R.O.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(506) Wt.24107/1845 15000 3/33. Gp. 119/110.

D

FORM 1090. **B** Monthly Summary. **C** Particulars of Station. 3635.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1934

At Helvellyn (Whiteside)
In the County of Cumberland

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 0 *in.*
Height of Ground above Sea Level 2100 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
	Inches	Inches	Date.	·01 in. or more*	·04 in. or more*
JAN.	15·48				
FEB.	·47				
MAR.	6·14				
APRIL	9·07				
MAY	7·55				
JUNE	3·45				
JULY	2·38				
AUG.	10·06				
SEPT.	13·28				
OCT.	13·86				
NOV.	3·76				
DEC.	20·56				
Total	106·05				

Signature..........

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter.......... in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

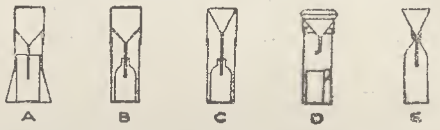
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Copied from Manchester Corpn. Sheet.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at* 9 *a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as* 0·1 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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3635

FORM 1090.

B Monthly Summary.

. The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1935.

At White Side.

In the County of Cumberland.

Rain Gauge
- Diameter of Funnel 5" in.
- *Height of Top above Ground* 1 *ft.* 0 *in.*
- *Height of Ground above Sea Level* 2100 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	3.77				
FEB.	12.52				
MAR.	1.92				
APRIL	6.76				
MAY	1.13				
JUNE	9.27				
JULY	3.74				
AUG.	4.15				
SEPT.	15.49				
OCT.	13.07				
NOV.	9.75				
DEC.	6.71				
TOTAL	88·28				

Signature Copied from Manchester Corpn. returns.

*See Instruction 2 *(f)* below.

C Particulars of Station,

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

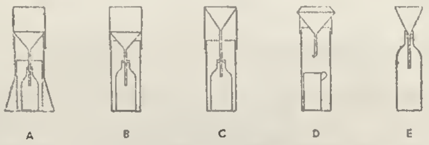
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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Wt.3430/1699 15,000 2/35 W. H. & S. 668/91.

3635.

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is **NOT** required if daily or weekly values are given on the other side.

RAINFALL IN 1936.

Helvellyn

At (White Side)

In the County of ~~Cheshire~~ Cumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 0 *in.*
- *Height of Ground above Sea Level* 2100 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	14·68				
FEB.	6·48				
MAR.	8·58				
APRIL	2·58				
MAY	2·27				
JUNE	6·68				
JULY	9·57				
AUG.	3·72				
SEPT.	10·25				
OCT.	7·60				
NOV.	10·96				
DEC.	20·37				
TOTAL	103·64				

Signature Manchester Copt. W. W.

*See Instruction 2 (*f*) below.

C Particulars of Station,

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Copy by B.R.O

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

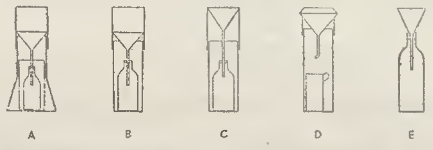
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state –

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfull and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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3635

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1937

At White Side

In the County of Cumberland.

Rain Gauge
- Diameter of Funnel..........................in.
- *Height of Top above Ground.........ft.............in.*
- *Height of Ground above Sea Level...................ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	18·40				
FEB.	10·55				
MAR.	8·25				
APRIL	5·43				
MAY	3·73				
JUNE	4·00				
JULY	6·42				
AUG.	4·64				
SEPT.	7·20				
OCT.	7·00				
NOV.	2·24				
DEC.	7·36	✓			
TOTAL	85·22 ✓	✓			

Signature ....

* See Instruction 3 *(f)* below.

C Particulars of Station.

Copy by B.R.O.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

....

Hour of observation by the clock—in Winter..........................in Summer...................

Nearest Railway Station.................................... Distance.................. Direction from gauge..............

Nearest Parish Church at.................................... Distance.................. Direction from gauge..............

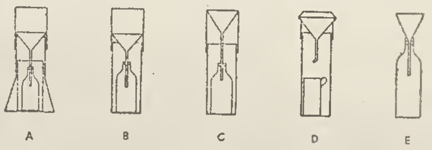
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

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(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9999

3635

FORM 1090.

B Monthly Summary.

* The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1938

At White Side

In the County of Cumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* *in.*
- *Height of Ground above Sea Level* 2100 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	13·84				
FEB.	4·83				
MAR.	5·71				
APRIL	·97				
MAY	7·17				
JUNE	11·89				
JULY	12·65				
AUG.	5·10				
SEPT.	5·87				
OCT.	19·23				
NOV.	16·95				
DEC.	10·05				
TOTAL	114·26 ✓				

Signature ....

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

Copy by B.R.O.

Hour of observation by the clock, in Winter.................. in Summer..................

Nearest Railway Station.................. Distance.................. Direction from gauge..................

Nearest Parish Church at.................. Distance.................. Direction from gauge..................

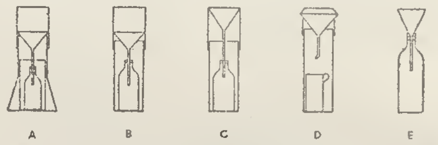
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.................. Distance.................. Direction..................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) The rain-gauge should be visited every morning without exception. When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) On some measures there is graduation marked ·005 : this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction. An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) The total rainfall for the month is found by addition. The addition should always be done a second time as a check. The check is of special importance when the total has already been found in another copy of the register.

(f) The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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3635

FORM 1090.

B Monthly Summary.

. The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939

At White Side

In the County of Cumberland

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 0 *in.*
Height of Ground above Sea Level 2100 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	14·24				
FEB.	15·81				
MAR.	7·56				
APRIL	3·29				
MAY	1·94				
JUNE	7·63				
JULY	10·92				
AUG.	4·30				
SEPT.	2·78				
OCT.	6.52				
NOV.	13.30				
DEC.	4.55				
TOTAL	92.84				

Signature Per Manchester W.W.

* See Instruction 3 (*f*) below.

C Particulars of Station.

Copy by B.R.O.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

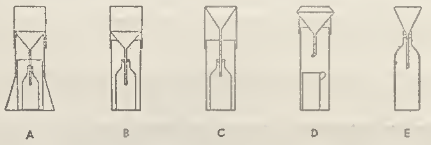
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(*a*) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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Wt. 3079/2165 25,500 12/37 W.H.&S. 668/91
S.O. Code No. 40-9999

FORM 1090.

B Monthly Summary.

C Particulars of Station.

3635 ✓

, The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 19~~3~~40

At Helvellyn (White Side)

In the County of Cumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 0 *in.*
- *Height of Ground above Sea Level* 2100 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
JAN.	1.76				
FEB.	3.65				
MAR.	9.16				
APRIL	3.92				
MAY	2.20				
JUNE	.95				
JULY	9.59				
AUG.	3.37				
SEPT.	6.31				
OCT.	9.12				
NOV.	11.03				
DEC.	8.84				
TOTAL	6990 ✓				

Signature Per Manchester W. W.

* See Instruction 3 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

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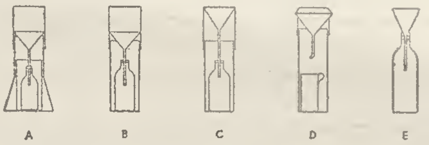

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
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(c) When was the measurement made?

Copy by B.R.O.

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1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

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(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

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(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

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Section **A** for the entry of Daily Observ

AIR MINISTRY.—MET

FORM 1090.

REGISTE

3636

BUTTERMERE
HASSNESS

1931-38

780703

bor. agrees. 57.5

FOR OFFICIAL USE.

NIZATION.

3636

231.

daj

Kept at Hassness, Butte

in the County of Cumb

Diameter of Funnel of Gauge

Height of top of Gauge above Ground

" Ground " Sea Level

THE MORNING MEASURE

DAY.

An observer who does not conform to this *following year in the space on the right of this paragraph.*

Jan. 1, following

Records taken in Millimetres should be entered on Form 1091.

Date.	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date.*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·03	·00	·00	·07	·09	·09	·26	·00	·57	1·64	·00	·05	1
2	·00	·03	·00	·11	·00	·85	·22	·00	1·07	·18	2·00	2·28	2
3	·00	·00	·00	·00	·00	·07	1·61	·00	·59	·53	2·32	·26	3
4	·00	·00	·00	·55	·00	·00	·05	·00	·10	·37	·13	·43	4
5	·00	·00	·00	·00	·41	·68	·10	·00	·00	·38	·06	1·22	5
6	·00	·18	·00	·00	·01	·45	·13	·00	·21	·31	·49	·00	6
7	·00	·65	·00	·00	·08	·58	·00	·48	·00	·27	·07	·44	7
8	·20	·96	·00	·02	·00	·10	·70	·02	·00	·29	·14	·04	8
9	·20	·54	·00	·05	·32	·38	·03	·66	·04	·22	·59	·12	9
10	·25	·20	·00	·00	2·82	1·68	·00	·04	·03	·00	1·33	·00	10
11	1·15	1·98	·00	·21	·00	·02	1·08	·00	·46	·13	·79	·00	11
12	·00	·04	·09	·11	·00	·00	·38	·03	·02	·20	·10	·00	12
13	·00	·00	1·35	·05	·80	·13	·00	·44	·00	·00	1·05	·00	13
14	·14	·07	·10	·00	·09	2·16	·84	·14	·00	·00	·72	·40	14
15	·14	·55	·00	·48	·04	2·18	·10	·05	·00	·00	·00	·00	15
16	·48	·12	·00	·72	·00	·61	·16	1·64	·49	·00	·00	·00	16
17	·04	·06	·00	·28	·45	·37	·97	1·00	·00	·00	·49	·00	17
18	·43	·00	·00	·03	·15	·46	·08	·03	·03	·02	1·62	·00	18
19	·15	1·16	·08	·00	·00	·06	·21	1·42	·00	·00	·05	·00	19
20	·00	·23	·10	·00	·00	·20	·00	·22	·00	·00	·52	·00	20
21	·80	·17	·19	·04	·10	·27	·11	·42	·00	·00	·02	·00	21
22	2·66	·31	·00	·43	·13	·10	1·37	·00	·00	·00	·65	·13	22
23	·84	·00	·00	1·02	·12	·37	·00	·00	·00	·00	2·20	2·09	23
24	·22	·76	·00	·34	·35	·00	·07	·00	·00	·00	·71	·17	24
25	·14	·59	·00	·21	·05	·00	·00	·00	·00	·00	·27	·09	25
26	·00	·00	·00	·23	·00	·00	·00	·00	·00	·07	1·12	·00	26
27	·88	·14	·00	·10	·00	·06	1·38	·00	·00	·40	·55	·14	27
28	·60	·00	·00	·12	·40	·00	·18	·00	·00	·00	·00	·25	28
29	·09		·00	·00	·06	·00	2·16	·00	·02	·72	·02	·00	29
30	·03	×	·00	·01	·00	·00	·03	·00	·82	·00	·00	·00	30
31	1·55	×	·00	×	·03	×	·03	·00	×	·25	×	·88	31
TOTAL	~~11·28~~ 11·02	8·73	1·91	5·15	6·~~4~~0 50	11·87	12·25	6·59	4·4~~8~~ 5	~~8~~·98 5	18·01	8·99	YEAR'S TOTAL ~~104·33~~ 10[illegible]·45
Days with ·01 in. or more.	21 ~~2~~	19 ~~1~~	6	21 ~~3~~	19 ~~2~~	22 ~~1~~	24 ~~3~~	24 ~~3~~	13 ~~4~~	16 ~~1~~	25 ~~2~~	16	216 ~~22~~
Days with ·04 in. or more.	19	18	6	18	17	21	21	11	9	15	23	16	194

Please read the Notes and Instructions Overleaf.

(144ws)

(Signed) Edward Dixon

[P.T.O.

Section **A** for the entry of Daily Obser

1·7·32 Obsr. agrees 6·7·5

FOR OFFICIAL USE. 3636

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 19~~2~~31.

Kept at Hassness, Buttermere,
in the County of Cumberland
Diameter of Funnel of Gauge 6 in.
Height of top of Gauge above Ground 1 ft. — in.
,, Ground ,, Sea Level 350 ft.

3636

dap

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following.

Records taken in Millimetres should be entered on Form 1091.

Date.	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date.*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·03	·00	·00	·07	·09	·09	·26	·00	·57	1·64	·00	·05	1
2	·00	·03	·00	·11	·00	·85	·22	·00	1·07	·18	2·00	2·28	2
3	·00	·00	·00	·00	·00	·07	1·61	·00	·59	·53	2·32	·26	3
4	·00	·00	·00	·55	·00	·00	·05	·00	·10	·37	·13	·43	4
5	·00	·00	·00	·00	·41	·68	·10	·00	·00	·38	·06	1·22	5
6	·00	·18	·00	·00	·01	·45	·13	·00	·21	·31	·49	·00	6
7	·00	·65	·00	·00	·08	·58	·00	·48	·00	·27	·07	·44	7
8	·20	·95	·00	·02	·00	·10	·70	·02	·00	·29	·14	·04	8
9	·20	·54	·00	·05	·32	·38	·03	·66	·04	·22	·89	·12	9
10	·25	·20	·00	·00	2·82	1·68	·00	·04	·03	·00	1·33	·00	10
11	1·15	1·98	·00	·21	·00	·02	1·08	·00	·46	·13	·79	·00	11
12	·00	·04	·09	·11	·00	·00	·38	·03	·02	·20	·10	·00	12
13	·80	·00	1·35	·05	·80	·13	·00	·44	·00	·00	1·05	·00	13
14	·14	·07	·10	·00	·09	2·16	·84	·14	·00	·00	·72	·40	14
15	·14	·55	·00	·48	·04	2·18	·10	·05	·00	·00	·00	·00	15
16	·48	·12	·00	·72	·00	·61	·16	1·64	·49	·00	·00	·00	16
17	·04	·06	·00	·28	·45	·37	·97	1·00	·00	·00	·49	·00	17
18	·43	·00	·00	·03	·15	·46	·08	·03	·03	·02	1·62	·00	18
19	·15	1·16	·08	·00	·00	·06	·21	1·42	·00	·00	·05	·00	19
20	·00	·23	·10	·00	·00	·20	·00	·22	·00	·00	·52	·00	20
21	·80	·17	·19	·04	·10	·27	·11	·42	·00	·00	·02	·00	21
22	2·66	·31	·00	·43	·13	·10	1·37	·00	·00	·00	·65	·13	22
23	·84	·00	·00	1·02	·12	·37	·00	·00	·00	·00	2·20	2·09	23
24	·22	·76	·00	·34	·35	·00	·07	·00	·00	·00	·71	·17	24
25	·14	·59	·00	·21	·05	·00	·00	·00	·00	·00	·27	·09	25
26	·00	·00	·00	·23	·00	·00	·00	·00	·00	·07	1·12	·00	26
27	·88	·14	·00	·10	·00	·06	1·38	·00	·00	·40	·55	·14	27
28	·60	·00	·00	·12	·40	·00	·18	·00	·00	·00	·00	·25	28
29	·09		·00	·00	·06	·00	2·16	·00	·02	·72	·02	·00	29
30	·03	×	·00	·01	·00	·00	·03	·00	·82	·00	·00	·00	30
31	1·55	×	·00	×	·03	×	·03	·00	×	·25	×	·88	31
TOTAL	11·02 ~~11·28~~	8·73 ✓	1·91 ✓	5·15 ✓	50 6·~~4~~0 ✓	11·87 ✓	12·25 ✓	6·59 ✓	5 4·4~~3~~	5 ~~8~~·98	18·01 ✓	8·99 ✓	YEAR'S TOTAL 101·45 ~~104·33~~
Days with ·01 in. or more.	21 ~~2~~	19 ~~1~~	6	21 ~~3~~	19 ~~2~~	22 ~~1~~	24 ~~3~~	24 3	13 ~~4~~	16 ~~1~~	25 ~~2~~	16	216 ~~22~~
Days with ·04 in. or more.	19	18	6	18	17	21	21	11	9	15	23	16	194

Please read the Notes and Instructions Overleaf.

(144ws)

(Signed) Edward Dixon

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 3636

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

Kept at "Hassness" Buttermere

in the County of Cumberland

days

Diameter of Funnel of Gauge 6 in.

Height of top of Gauge above Ground 1 ft — in.

,, Ground ,, Sea Level 350 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	1.18	.00	.00	.76	.00	.00	.17	.00	2.76	.37	.31	2.17	1
2	2.03	.02	.00	.03	.19	.00	.84	.10	.75	.03	.52	.34	2
3	.24	.00	.00	.04	.00	.00	1.11	.07	.40	.00	.72	.54	3
4	.60	.03	.07	.00	.00	.00	1.16	.02	.00	.07	.00	.11	4
5	1.78	.00	.59	.48	.08	.00	.02	.02	.69	.03	.00	.00	5
6	.49	.00	.39	.70	.08	.00	.00	.07	.02	.00	.00	.00	6
7	.06	.00	1.29	.21	.00	.00	.00	.00	.53	1.94	.00	.00	7
8	.07	.00	.00	.71	.19	.00	.00	.07	.50	1.19	.00	.00	8
9	3.40	.00	.00	1.19	.04	.00	.00	.00	.59	1.07	.00	.00	9
10	.55	.00	.02	.32	.00	.00	.00	.00	1.07	.37	.00	.00	10
11	.08	.02	.00	.03	.57	.00	.25	.00	.15	.03	.00	.00	11
12	1.61	.03	.00	.00	2.04	.00	1.26	.11	.02	1.60	.00	.00	12
13	.15	.00	.00	1.32	.30	.00	.00	.00	.70	.93	.00	.32	13
14	1.25	.00	.00	.04	.00	.00	.00	.00	.07	.00	.00	1.35	14
15	1.71	.00	.00	.12	.44	.00	.00	.00	.00	.29	.00	.87	15
16	1.86	.00	.00	.00	.00	.00	.03	.00	.00	.35	.00	4.92	16
17	.23	.00	.00	.00	.00	.00	.04	.06	.07	1.14	.00	2.68	17
18	.49	.00	.00	.00	.98	.00	.07	.02	.14	.07	.00	2.65	18
19	.11	.00	.00	.53	.48	.00	.21	.00	.00	.52	.00	.70	19
20	.49	.00	.05	.39	.04	.00	.04	1.99	.00	.35	.32	.37	20
21	.51	.00	.64	.11	.00	.00	.10	.15	.00	2.05	1.03	.63	21
22	.03	.00	.18	.61	.00	.00	.03	.00	.00	.64	1.34	1.44	22
23	.00	.00	.05	.13	.27	.00	.12	.00	.00	.21	.55	.82	23
24	.13	.00	.04	.05	.05	.00	.14	.00	.91	.02	.39	.20	24
25	.00	.00	.00	.24	.22	.06	.31	.00	.40	.89	1.03	.00	25
26	.00	.00	.00	.00	.05	.11	1.38	.07	.28	.85	.16	.10	26
27	.00	.00	.63	.29	.00	.80	.40	.00	.00	.02	.00	.40	27
28	.00	.00	.20	.08	.38	.10	.22	.00	.00	.05	.12	.33	28
29	.09	.00	2.48	.32	.04	.61	1.61	.32	.00	1.66	1.27	1.16	29
30	.00	×	.45	.02	.00	1.68	1.08	.31	.28	.78	.34	.00	30
31	.05	×	.00	×	.00	×	.00	.45	×	.18	×	.77	31
TOTAL	19.29	.10	7.07	8.72	6.47	3.36	10.53	3.65	10.27	17.58	8.10	22.87	YEAR'S TOTAL 118.01
*Days with ·01 in. or more.	25 ~~13~~	4	14	24	18 ~~13~~	6 —	22 ~~4~~	15 ~~6~~	19 ~~3~~	28 ~~6~~	13 —	21	209 ~~28~~
*Days with ·04 in. or more.	24	0	13	21	18	6	18	9	16	22	13	21	181

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*See Instruction 2 (f) on other side.

(Signed) Edward Dixon

P.T.O.

3636

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 3636

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Kept at Hassness, Buttermere

in the County of Cumberland

Diameter of Funnel of Gauge 6 in.

Height of top of Gauge above Ground 1 ft — in.

,, Ground ,, Sea Level 380 ft.

Day

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	.24	.30	.23	.00	.00	.13	.00	.02	.00	.00	.44	.00		1
2	3.28	.05	.09	.28	.00	1.24	.00	.00	.00	.00	.00	.00		2
3	.32	1.41	.12	.11	.23	.00	.00	.00	.00	.00	.08	.00		3
4	1.94	1.82	.56	.00	.41	.00	.00	.00	.00	.00	.07	.00		4
5	.32	.25	2.12	.00	.15	.00	.00	.00	.00	.00	.03	.00		5
6	.02	.13	.19	.00	.42	.00	.00	.00	.00	.00	.00	.00		6
7	.43	.33	.07	.00	.02	.00	1.24	.16	.00	.35	.00	.00		7
8	.33	.06	1.71	.91	.07	.13	.78	.07	.00	.26	.03	.00		8
9	.22	.93	.04	.02	.20	.00	2.10	.00	.00	1.80	.29	.00		9
10	.60	.02	.00	.00	.00	.15	.67	.00	.00	.45	.04	.03		10
11	.00	.00	.00	.22	.00	.00	.38	.00	.00	1.09	.00	.31		11
12	.16	.00	.00	.00	.00	.00	.23	.00	.00	.09	.07	.00		12
13	.00	.00	.17	.00	.22	.00	.80	.10	.06	.20	.80	.00		13
14	2.14	.00	.14	.00	.00	.00	.11	.17	.00	.09	.86	.00		14
15	.03	.00	.90	.00	.07	.02	.07	1.02	.00	1.34	.12	.00		15
16	.02	.02	.75	.03	.28	.83	.00	.39	.00	.20	.02	.00		16
17	.06	.00	.40	.00	.00	1.26	.00	.76	.80	.06	.04	.00		17
18	.00	.00	.23	.00	.00	.59	.00	.29	.00	.00	.19	.03		18
19	.00	.00	.27	.00	.00	.05	.00	.05	.18	.00	.20	.00		19
20	.00	.26	.00	.00	.48	.03	.00	.61	.00	.03	.00	.00		20
21	.00	.00	.00	.00	.00	.04	.00	.22	.00	.05	.00	.00		21
22	.00	.00	.00	.00	.56	.00	.00	.06	.00	.04	.00	.00		22
23	.00	.00	.00	.14	.00	.00	.00	.00	.00	.00	.00	.00		23
24	.00	.00	.00	.80	.25	.04	.26	.18	.27	.00	.00	.05		24
25	.00	.31	.00	.05	.05	.01	.26	.17	.40	.00	.00	.18		25
26	.00	1.79	.00	.99	.00	.00	.00	.00	.00	.39	.00	.00		26
27	.00	.07	.00	.08	.01	.00	.43	.00	.00	.11	.00	.03		27
28	.00	.06	.00	.00	.00	.00	.33	1.50	.00	.24	.00	.00		28
29	.00		.10	.19	.00	.00	.26	.05	.00	.11	.00	.26		29
30	.09	×	.03	.00	.00	.00	2.15	.00	.00	.29	.00	.22		30
31	3.96	×	.33	×	.00	×	.00	.99	×	.00	×	.12		31
													Year's Total	
TOTAL	14.06	7.81	8.45	3.82	3.42	4.52	9.67	6.81	1.71	7.19	3.28	1.13	71.87	
*Days with ·01 in. or more.	17 8	16 7	18	12 2	15 2	13 3	15	18 X	5	19 X	15 3	9 3	173 20	
*Days with ·04 in. or more.	14	14	19	10	13	10	15	17	5	18	12	6	153	

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*See Instruction 2 (*f*) on other side.

† Spare column, no entries required

(*Signed*) Edward Dixon

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3636

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

Kept at Hassness, Buttermere

in the County of Cumberland

Diameter of Funnel of Gauge 6 in.

Height of top of Gauge above Ground 1 ft. 0 in.

" Ground " Sea Level 350 ft.

Days ✓

alf

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	.82	.00	.85	.00	.01	.00	.00	.22	.00	.00	.00	.65		1
2	03	.00	.25	.00	.00	.00	.00	1.08	.55	.00	.37	.65		2
3	2.09	.00	.15	.00	.00	.00	.00	.06	.08	.40	.75	.49		3
4	1.12	.00	.35	.06	.34	.00	.00	.04	.35	.96	.00	.84		4
5	.07	.00	.20	.00	.65	.00	.00	.12	.00	.23	.00	.38		5
6	2.18	.03	.13	.05	1.15	.02	.00	.09	.17	1.32	.00	.21		6
7	1.76	.13	.08	.30	.00	.00	.00	.00	.07	.25	.03	1.14		7
8	.00	.03	.00	.00	.21	.00	.00	.25	.75	.44	.00	.73		8
9	2.09	.06	.10	.37	.00	.00	.00	.40	.13	.68	.24	.55		9
10	1.77	.00	.13	.07	.00	.00	.00	1.35	.70	.36	.10	.07		10
11	1.07	.00	.21	.41	.00	.00	.00	.44	.08	.26	.07	.94		11
12	.08	.00	.10	1.43	.00	.00	.00	.04	.00	.15	.00	.43		12
13	.59	.00	.00	.45	.21	.00	.55	.00	.00	.30	.00	.17		13
14	.49	.00	.80	.21	.10	.12	.00	.00	.00	.37	.00	.41		14
15	.56	.00	.00	.20	1.91	.00	.27	.57	.35	.16	.02	.20		15
16	1.81	.00	1.07	.06	.61	.00	.10	.00	.26	.05	.04	.20		16
17	.39	.00	.27	.50	.48	.00	.11	.00	1.19	.06	.00	1.40		17
18	.66	.00	.18	.14	.55	1.57	.00	.37	.90	.06	.00	1.93		18
19	.00	.00	.11	.05	1.25	.42	.00	.20	.22	.95	.09	.17		19
20	.06	.00	.02	.73	1.20	.04	.00	1.45	.39	.56	.03	.04		20
21	.13	.00	.12	.02	.15	.77	.00	1.81	.00	2.54	07	.00		21
22	.10	.00	.08	.07	.06	.35	.00	.63	.39	.17	.13	.00		22
23	.12	.00	.08	.80	.00	.00	.04	.20	1.00	.91	.17	.08		23
24	.00	.32	.00	.05	.16	.04	.05	.00	.28	.79	.07	.00		24
25	.77	.00	.41	.24	.02	.00	.39	.00	1.38	2.60	.22	1.57		25
26	.11	.00	.05	.13	.00	.62	.22	.00	1.92	1.58	.02	.65		26
27	.00	.00	.00	.04	.00	.41	.40	.20	.50	.50	.03	1.07		27
28	.00	.00	.00	.02	.00	.08	.10	1.56	.24	.35	.00	.48		28
29	.00		.00	.00	.00	.00	.32	.25	.26	.26	.00	.75		29
30	.60	×	.00	.00	.00	.00	.09	.04	4.10	.40	.00	1.14		30
31	.00	×	.00	×	.00	×	.00	.15	×	.00	×	.27		31
													Year's Total	
TOTAL	19.47	.57	5.74	6.40	9.06	4.44	2.64	11.52	16.26	17.54	2.45	17.61	113.70	
*Days with .01 in. or more.	24	5 2	22 2	23 2	17 2	11	12	23	24	28	17 5	28	~~14~~	234
*Days with .04 in. or more.	23	3	21	21	15	10	12	23	24	28	12	28	220	

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*See Instruction 2 (*f*) on other side.

† Spare column, no entries required.

(*Signed*) Edward [illegible]

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. X Station No. 3636

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1936.

7H1370/27

Kept at Hassness, Buttermere

in the County of Cumberland

Diameter of Funnel of Gauge Six in.

Height of top of Gauge above Ground One ft. — in.

,, Ground ,, Sea Level 350 ft.

dafro

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	1.06	·76	·00	·04	·00	·00	·08	·00	2.45	·05	·23	·28		1
2	·03	·22	·02	·00	·00	·10	·02	·00	2.08	·54	·45	·05		2
3	·14	·55	·15	·10	·00	·17	·53	·00	·10	·00	·71	·20		3
4	·00	·15	·24	·00	·00	·19	·20	·00	·14	·08	·00	·14		4
5	·00	·57	·08	·00	·00	·40	·11	·00	·10	·16	·40	·40		5
6	·09	·00	·00	·00	·00	1.57	·00	·00	·00	·06	·38	·02		6
7	·00	·00	·00	·34	·00	·20	·00	·00	·00	2.00	·02	·63		7
8	·00	·02	·00	·36	·00	·72	·00	·13	·00	·41	·05	·12		8
9	·09	·03	·00	1.54	·00	·00	·00	·00	·00	1.20	·13	·00		9
10	·60	·78	·00	·11	·00	·17	·05	·00	·00	·25	·04	·00		10
11	1.33	·59	·00	·05	·00	1.12	·00	·23	·00	·38	·60	·00		11
12	·00	·65	·00	·00	·00	·20	·00	·00	·49	·15	·05	·00		12
13	·12	·13	·00	·09	·50	·16	·02	·00	·43	1.37	·47	·00		13
14	·00	·15	·00	·14	·02	·34	·00	·04	·32	·01	·65	·37		14
15	·00	1.93	·00	·41	·35	·04	·00	·02	·74	·76	·57	·22		15
16	·02	1.27	·05	1.93	·31	·30	·53	·24	·60	·00	·37	·00		16
17	·00	·10	·00	·74	·02	·23	·04	·27	·07	·50	·56	·00		17
18	·00	1.40	·00	·00	·00	·00	·00	·00	2.23	1.04	·11	·00		18
19	·00	2.84 ✓	·01	·15	·00	·40	1.79	·00	·08	·46	·19	·00		19
20	·02	1.95	·00	·62	·00	·36	·00	·00	·00	·00	·13	·00		20
21	·00	·13	·35	·06	·00	·02	·00	·00	·77	·46	·03	·10		21
22	·00	·17	·39	·04	·00	·00	·00	·00	·05	·00	·02	·00		22
23	·09	·21	·41	·15	·00	·13	·00	·07	·05	·38	·00	·00		23
24	·99	·90	·12	·00	·00	·09	·00	·00	·61	·07	·00	·39		24
25	·34	·01	·13	·00	·00	·06	·00	·05	·02	·01	·70	·15		25
26	·00	·00	·00	·00	·00	·92	·15	2.21	·18	·78	·00	·78		26
27	·00	·53	·00	·00	·00	·30	·84	·00	·54	1.22	1.61	·13		27
28	·06	·21	·00	·00	·00	·00	·00	·13	·75	·83	·25	·03		28
29	·00	X	·13	·00	·00	·07	·00	1.28	2.05	·70	·14	·54		29
30	·01	✕	·00	·00	·00	·44	·00	1.34	1.57	·75	1.41	·03		30
31	·38	✕	·02	✕	·00	✕	·00	·12	✕	·42	✕	1.15	Year's Total	31
TOTAL	5.37	15.95	2.10	6.87	1.20	8.70	4.36	6.13	16.42	15.04	10.27	5.73	98.14	
* Days with .01 in. or more.	16	25	13	17	5	25	12	13	23	27	26	19	~~25~~	221
* Days with .04 in. or more.	12	22	10	17	3	24	10	12	22	25	23	16	196	✓

40-9999.

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(*Signed*) Edward Dixon

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3636

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1936.

Kept at Hassness, Buttermere

in the County of Cumberland

Diameter of Funnel of Gauge 6 in.

Height of top of Gauge above Ground 1 ft. 0 in.

„ Ground „ Sea Level 350 ft.

Annual total corr. for arith

Days

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	.11	.20	.18	.00	.00	.00	.81	1.15	.17	.00	.47	.37		1
2	.02	.00	.00	.00	.00	.00	.23	.05	.45	.00	.20	.11		2
3	.00	.00	.00	.00	.00	.45	.02	.21	.66	.00	.13	.64		3
4	2.16	.04	.56	.00	.00	.00	.20	.06	1.03	.00	1.26	1.03		4
5	1.41	.03	.20	.00	.00	.04	.04	.41	.76	.00	.50	.53		5
6	.37	.00	.09	.00	.05	.00	.71	.28	1.27	.00	1.04	.00		6
7	.00	.00	.73	.00	.00	.00	.04	.00	1.24	.00	1.34	.95		7
8	.71	.00	.39	.00	.00	.00	.00	.05	.00	.00	.55	.00		8
9	2.09	.00	.12	.00	.00	.08	.02	.07	.22	.05	.85	.00		9
10	.91	.00	.00	.00	.00	.00	.36	.00	.04	.00	1.35	.00		10
11	.09	.00	.00	.08	.00	.10	.40	.23	1.59	.00	.53	1.10		11
12	.00	.00	.00	.06	.01	.02	.18	.00	.43	.00	.27	.36		12
13	.00	.00	.00	.15	.20	.00	.35	.31	.20	.77	.10	2.96		13
14	.00	.00	.00	.35	.00	1.42	.11	.67	.34	.06	.93	.87		14
15	.00	.00	.08	.04	.41	1.12	.07	.10	.00	.11	.39	1.37		15
16	.00	.06	.05	.04	.16	1.55	.04	.05	.00	.49	.52	.12		16
17	.25	.85	.03	.04	.06	.16	.16	.39	.00	.85	.15	2.05		17
18	.06	.94	.00	.08	.00	.00	.30	.65	.00	1.08	.02	.00		18
19	.05	.47	.03	.00	.00	.00	.85	.08	.00	.33	.00	.25		19
20	1.20	.46	.54	.03	.00	.00	.12	.00	.00	.23	.00	.92		20
21	.37	.32	.19	.02	.00	.21	.00	.00	.00	.10	.00	.47		21
22	.57	.39	.16	.00	.00	1.52	.25	.06	.00	.46	.00	.04		22
23	.29	.76	.08	.14	.00	.00	2.20	.01	.00	.17	.00	.02		23
24	.05	.00	.00	.59	.58	.00	.87	.00	1.12	2.17	.00	.02		24
25	.36	.04	.00	.11	.00	.00	.64	.00	.40	.27	.00	.04		25
26	1.29	.22	.40	.04	.00	.00	.04	.00	.10	.63	.00	.00		26
27	1.02	.10	.04	.00	.00	.00	.02	.00	.03	.23	.00	.00		27
28	.13	.38	.21	.08	.08	.12	.36	.00	.00	.02	.24	.02		28
29	.10	.36	2.25	.00	.12	.67	.02	.00	.00	.66	.29	.09		29
30	.20	✕	.15	.00	.06	.20	1.14	.07	.00	.16	.08	2.11		30
31	.03	✕	.11	✕	.07	✕	.09	.02	✕	.02	✕	1.07	100.54	31
													Year's Total	
TOTAL	13.84	5.62	6.59	1.85	1.80	7.66	10.64	4.92	10.05	8.85	11.21	17.51	~~110.54~~	✓
* Days with .01 in. or more.	24	16	21	15 2	11	14	29 ~~24~~	20	17	20	21	24 5	232	✓
* Days with .04 in. or more.	22	15	19	13	10	13	25	18	16	18	20	21	210	✓

40-9999.

* See Instruction 2 (f) on other side.

† Spare column, no entries required

(*Signed*) Edward Dixon [P.T.O.

M

M

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3636

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 193~~8~~7

Kept at Hassness, Buttermere
in the County of Cumberland
Diameter of Funnel of Gauge 6 in.
Height of top of Gauge above Ground 1 ft. — in.
,, Ground ,, Sea Level 350 ft.

Days ✓

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ✓

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	.03	·—	.32	·—	·—	·—	.63	·—	1.17	.19	·—	.29		1
2	.51	2.53	.77	.31	·—	.27	.38	·—	.10	·—	·—	.02		2
3	.59	1.78	.22	.02	·—	1.24	.37	·—	·—	·—	·—	.13		3
4	1.29	.53	.06	.14	.30	.61	.04	·—	1.91	·—	.02	.75		4
5	1.76	·—	.02	.11	.07	1.48	1.04	·—	1.31	·—	·—	.18		5
6	.00	.02	·—	.44	.06	.62	.16	.02	.30	.02	·—	.02		6
7	.14	.54	·—	1.15	.03	.04	.02	·—	.38	·—	·—	.05		7
8	.32	.38	·—	.27	·—	.49	.32	.02	.25	·—	·—	·—		8
9	.31	.34	·—	.20	.03	.03	.43	.22	.03	·—	·—	·—		9
10	.05	.10	·—	.02	.04	.02	.04	·—	·—	·—	·—	.34		10
11	.26	·—	.30	·—	·—	.05	·—	·—	.07	·—	·—	.37		11
12	2.98	.35	.75	.03	·—	.07	.12	.66	.20	.01	·—	.21		12
13	.08	.16	·—	·—	·—	.10	.07	.66	.07	.05	·—	.49		13
14	.00	.18	·—	·—	·—	·—	.38	.21	.55	.09	·—	.41		14
15	1.09	1.83	·—	.34	·—	·—	·—	·—	.82	·—	·—	.10		15
16	.14	.65	1.45	.37	·—	·—	·—	.81	·—	·—	·—	·—		16
17	1.36	.19	.29	.73	·—	·—	·—	.02	.28	·—	·—	·—		17
18	.00	.41	.27	.05	·—	·—	.14	.68	·—	·—	.50	·—		18
19	.14	.56	.04	1.14	·—	.04	·—	.02	·—	·—	.52	·—		19
20	1.18	.25	.02	.03	.47	.05	.18	·—	·—	·—	.27	.39		20
21	.78	.17	.13	.23	.05	·—	.92	·—	.03	.53	.02	.77		21
22	.73	.03	.05	.07	1.34	.05	.33	·—	·—	.30	.09	1.16		22
23	.29	·—	.06	.08	.12	·—	.26	·—	.53	1.33	·—	.39		23
24	1.05	.82	.27	·—	.13	·—	.05	.02	.54	.35	·—	.46		24
25	.05	1.25	.03	·—	·—	·—	·—	.02	·—	.61	.02	.06		25
26	.00	.70	.03	·—	.33	·—	·—	·—	.05	.60	·—	.03		26
27	.00	.68	·—	.19	·—	.04	.07	·—	.11	.65	·—	·—		27
28	.00	·—	·—	·—	·—	.33	·—	·—	·—	.15	·—	·—		28
29	.03		·—	·—	·—	.09	·—	·—	·—	.17	.47	·—		29
30	.50	×	·—	·—	·—	.19	·—	.03	.72	.47	.50	.05		30
31	.22	×	·—	×	.10	×	·—	1.75	×	.12	×	·—		31
TOTAL	15.88	13.15	5.08	5.89	3.07	5.81	5.95	5.14	9.30	5.64	2.41	6.67	Year's Total 83.99	✓
* Days with .01 in. or more.	25 ~~7~~	23 ~~5~~	18 ~~4~~	20 ~~4~~	13 ~~2~~	19 ~~2~~	20 ~~7~~	14 ~~7~~	20 ~~4~~	16 ~~2~~	9 ~~3~~	21 ~~3~~	~~36~~	218 ✓
* Days with .04 in. or more.	23 ~~24~~	20	14	16	11	17	19	7	16	14	6	18	~~182~~	181 ✓

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(Signed) Edward Dixon [P.T.O.

M

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3636

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

Kept at Hassness, Buttermere

in the County of Cumberland

Diameter of Funnel of Gauge 6 in.

Height of top of Gauge above Ground 1 ft. 0 in.

,, Ground ,, Sea Level 350 ft.

Entry on 9th Feb. adjusted by reference to nearby station to agree monthly total
AB
W.J.F.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·—	·36	·04	·05	·—	1·90	·—	·—	·11	·—	·23	·37		1
2	·—	·19	·—	·80	·—	·88	·—	·—	·28	2·80	·28	·44		2
3	·—	·08	·—	·—	·—	·41	·92	·—	·55	3·98	·77	·—		3
4	·03	·23	·—	·43	·—	·23	·11	·—	·—	·55	·10	1·94		4
5	·08	·11	·—	·01	·—	·66	·21	·—	·11	·73	·04	·07		5
6	·73	·—	·—	·02	·—	2·35	·08	·06	·38	2·83	·24	·06		6
7	·08	·—	·—	·—	·—	·—	·67	·56	·—	·52	·38	·30		7
8	·35	·89	·02	·—	·01	·01	·74	·12	·—	1·83	·61	·11		8
9	·45	·4~~x~~5	·08	·—	·01	·41	·12	·—	·—	·14	—	1·19		9
10	·—	·04	·10	·—	·—	·05	·65	·—	·04	·06	·02	·30		10
11	·38	·06	·—	·—	·80	·04	·12	·04	·09	1·15	·91	·33		11
12	1·10	·—	·—	·—	·80	·—	·02	·02	·01	2·27	3·49	·16		12
13	·02	·—	·—	·—	·90	·—	1·80	·02	·2[illegible]	·38	·81	·44		13
14	2·46	·—	·—	·—	·46	·—	·—	·—	·—	·—	·—	·10		14
15	1·62	·—	2·70	·—	·70	·—	·02	1·09	·—	·87	·—	·61		15
16	1·02	·—	·09	·—	·14	·—	·02	·85	2·38	1·38	·—	·—		16
17	·—	·—	·34	·—	·72	·—	·11	·72	1·64	1·07	·44	·—		17
18	·80	·—	·59	·—	·—	·17	·—	1·11	·03	·54	1·30	·—		18
19	·02	·—	1·93	·—	·—	·09	·02	·53	·10	·—	·13	·—		19
20	1·51	·—	1·64	·—	·—	·04	·02	·19	·19	·—	·10	·—		20
21	·—	·—	·03	·09	·01	·05	·—	·48	·21	·02	·34	·—		21
22	·—	·—	·—	·01	·20	·02	·—	·—	·—	·03	1·19	·—		22
23	·60	·—	·12	·—	·70	·43	·—	·34	·14	·—	·70	·—		23
24	·95	·20	·85	·—	·08	·46	·04	·07	·29	·12	·59	·—		24
25	·17	1·41	·14	·—	·69	·06	1·38	·—	·—	·12	·53	·08		25
26	·25	1·35	·25	·—	1·65	1·69	·33	·—	·—	·83	·15	·05		26
27	·83	·19	·—	·—	·42	·93	·70	·25	·—	·10	1·25	·—		27
28	·54	·40	·19	·—	·25	2·58	·80	·—	·08	·01	·32	·11		28
29	·12		·10	·—	·52	·46	7·14	·—	·09	·25	·95	·96		29
30	·44	✕	·02	·—	·—	·02	2·06	·—	·13	·05	·91	·09		30
31	·64	✕	·03	✕	·62	✕	·16	·—	✕	2·15	✕	·86		31
													Year's Total	
TOTAL	15·19	5·96	9·26	1·41	9·68	13·94	18·21	6·45	7·05	25·28	16·78	8·47	137·68	✓
* Days with .01 in. or more.	24	14	19	7	19	23	24	16	20	26	26	20	~~[illegible]~~	238 ✓
* Days with .04 in. or more.	21	14	15	4	16	20	19	14	18	23	25	20	209	✓

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(Signed) Edward Dixon

[P.T.O.